

Converting Colors

XYZ(67.2239, 76.1513, 91.4664)

Have a look what the booklet for
XYZ(67.2239, 76.1513, 91.4664)
contains.

XYZ(67.1899, 76.1280, 91.2737)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.1899, 76.1280,
91.2737)**

Conversions

Conversions Part 1

Format	Color
Hex	C4E9ED
RGB	196, 233, 237
RGB Percent	77%, 91%, 93%
CMY	0.2314, 0.0863, 0.0706
CMYK	0.17, 0.02, 0.00, 0.07
HSL	186°, 53%, 85%
HSV	186°, 17%, 93%
XYZ	67.1899, 76.1280, 91.2737
YIQ	222.3930, -23.3360, -6.6000

Conversions

Conversions Part 2

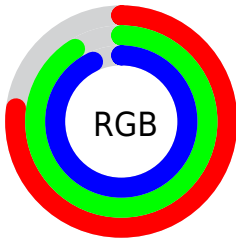
Format	Color
RYB	196, 215, 237
Decimal	12904941
CIELab	89.92, -11.14, -5.96
CIELCh	90, 12.632, 208.151
Yxy	76.1280, 0.2864, 0.3245
Android (android.graphics.Color)	4291095021 (0xFFC4E9ED)
YUV	222.3930, 7.2013, -23.1467
Hunter-Lab	87.2514, -15.2319, -0.9474

Details

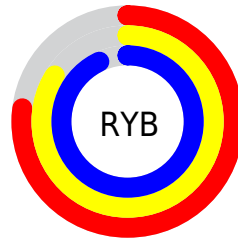
The XYZ color **67.1899, 76.1280, 91.2737** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.5437, 63.2986, 60.9892**, and the grayscale version is **69.6732, 73.3016, 79.8255**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **35.2180, 40.5313, 49.6832** is the 20% darker color. If you saturate the color by 10%, you get **60.8564, 71.9003, 90.7927**, and if you desaturate by 10%, it is **74.5102, 80.8811, 91.8065**.

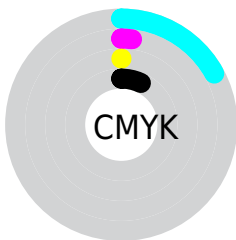
Distribution



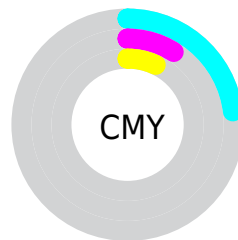
- Red (77%)
- Green (91%)
- Blue (93%)



- Red (77%)
- Yellow (84%)
- Blue (93%)



- Cyan (17%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (23%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1899, 76.1280, 91.2737 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 67.1899, 76.1280, 91.2737 by changing the saturation by 10% instead.

67.1899, 76.1280,
91.2737

67.1899, 76.1280,
91.2737

440.0423,
481.7858, 552.8421

49.5102, 56.5375,
68.4579

114.2408,
127.9078, 151.0573

35.2406, 40.6340,
49.8013

144.3427,
160.8659, 188.8622

24.0157, 28.0332,
34.8855

179.3161,
199.0486, 232.5004

15.4700, 18.3507,
23.2918

219.5263,
242.8404, 282.3907

9.2384, 11.2021,
14.6018

265.3386,
292.6256, 338.9514

4.9553, 6.2029,
8.3969

317.1185,

2.2556, 2.9689,

348.7886, 402.6012

4.2586

375.2313,
411.7139, 473.7586

■ 0.7718, 1.1155,
1.7682

■ 0.0000, 0.0000,
0.4069

■ 67.1899, 76.1280,
91.2737

■ 67.1899, 76.1280,
91.2737

■ 60.8564, 71.9003,
90.7927

■ 74.5102, 80.8811,
91.8065

■ 55.4574, 68.1650,
90.3563

■ 82.8532, 86.1722,
92.3881

■ 50.9458, 64.8998,
89.9638

■ 87.6676, 89.6571,
92.8070

■ 47.2678, 62.0769,
89.6128

■ 88.3519, 91.0256,
93.0351

44.3636, 59.6655,
89.3004

89.0448, 92.4116,
93.2661

42.1656, 57.6306,
89.0235

89.7465, 93.8149,
93.5000

40.5942, 55.9311,
88.7783

90.4570, 95.2358,
93.7368

39.5452, 54.5133,
88.5599

91.1762, 96.6743,
93.9765

39.3069, 54.1558,
88.5034

91.9042, 98.1304,
94.2192

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.5189, 76.1280, 82.3368



67.1899, 76.1280, 91.2737



69.2341, 76.1280, 98.3772

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.1899, 76.1280, 91.2737



77.5801, 76.1280, 92.3024



72.5513, 76.1280, 66.8595

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



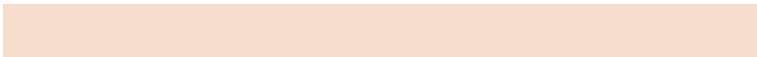
67.1899, 76.1280, 91.2737



65.5437, 63.2986, 60.9892

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.5732, 76.1280, 69.1208



67.1899, 76.1280, 91.2737



78.5279, 76.1280, 83.4466

Square

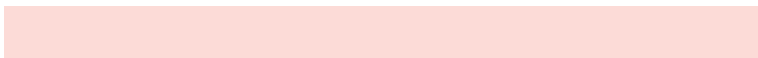
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.1899, 76.1280, 91.2737



75.2282, 76.1280, 99.0005



77.7832, 76.1280, 75.0369



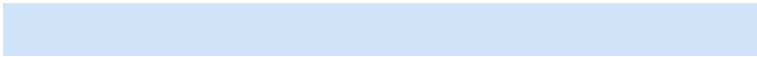
69.5605, 76.1280, 68.6304

Rectangle

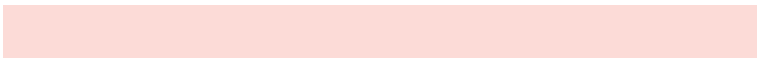
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.1899, 76.1280, 91.2737



71.1312, 76.1280, 100.8904



77.7832, 76.1280, 75.0369



73.5976, 76.1280, 67.1698

Sweetspot

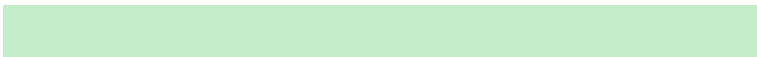
The Sweet Spot groups the original color and five complimentary colors.



67.1921, 76.1311, 91.2754



90.1186, 96.8710, 108.5560



63.4077, 76.4484, 65.7022



19.1461, 20.6431, 23.2254



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.1921, 76.1311, 91.2754



76.3757, 87.9343, 107.5553



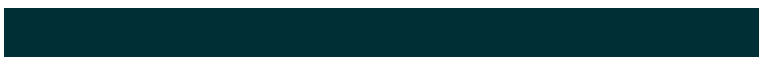
61.8676, 65.4820, 89.5006



15.3849, 16.8562, 19.3650



21.5140, 29.6750, 48.3369



1.7258, 2.4031, 3.8078

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.3747, 63.3691, 85.6694



79.4525, 70.1317, 99.6106



70.4615, 73.1341, 62.6285



15.6478, 15.2870, 18.6967



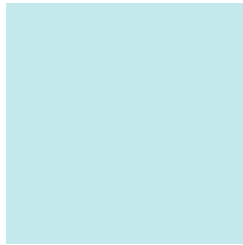
25.7146, 12.4885, 35.8939



2.0376, 0.9880, 2.9154

Previews

White Background



This preview shows how the XYZ color 67.1899, 76.1280, 91.2737 looks on a white background.

Color Contrast Check

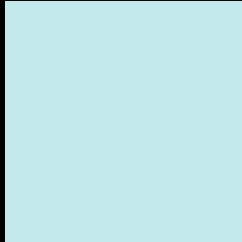
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 67.1899, 76.1280, 91.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

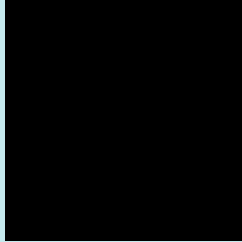
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1899, 76.1280, 91.2737

Background



This preview shows how black text looks on a background with the XYZ color 67.1899, 76.1280, 91.2737.

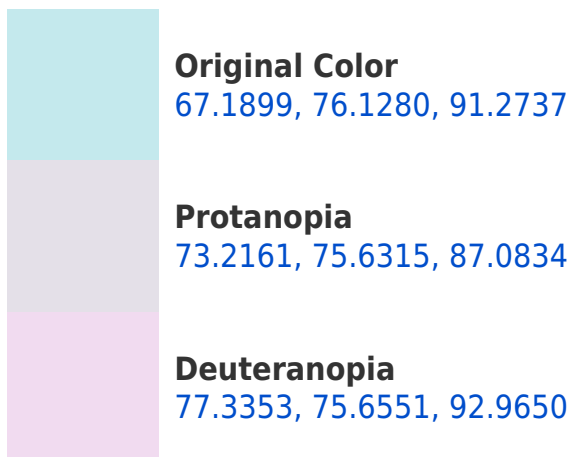


This preview shows how white text looks on a background with the XYZ color 67.1899, 76.1280,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy

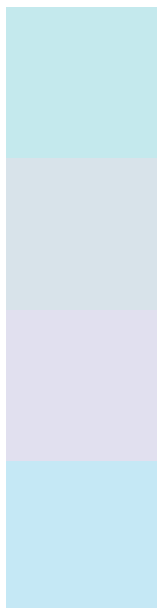




Tritanopia

68.9635, 75.9971, 100.6567

Trichromacy



Original Color

67.1899, 76.1280, 91.2737

Protanomaly

70.6393, 75.4776, 88.6875

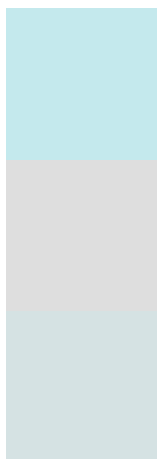
Deuteranomaly

73.2870, 75.5509, 92.3815

Tritanomaly

68.3640, 76.1761, 97.4865

Monochromacy



Original Color

67.1899, 76.1280, 91.2737

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.5021, 74.0849, 83.3624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1899, 76.1280, 91.2737 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(196, 233, 237)` looks like.

```
.text, #text, p{  
    color:rgb(196, 233, 237)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(196, 233, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 233, 237) }
```

Border

The CSS property to change the border of an element to XYZ 67.1899, 76.1280, 91.2737 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 233, 237) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(196, 233, 237) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(196, 233, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 233, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 233, 237);  
box-shadow:4px 4px 4px 4px rgb(196, 233,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1899, 76.1280, 91.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 233, 237) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(196,  
233, 237) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor