

Converting Colors

XYZ(66.2628, 72.9263, 94.9599)

Have a look what the booklet for
XYZ(66.2628, 72.9263, 94.9599)
contains.

XYZ(66.2610, 73.0847, 94.6188)	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(66.2610, 73.0847,
94.6188)**

Conversions

Conversions Part 1

Format	Color
Hex	C4E3F2
RGB	196, 227, 242
RGB Percent	77%, 89%, 95%
CMY	0.2314, 0.1098, 0.0510
CMYK	0.19, 0.06, 0.00, 0.05
HSL	200°, 64%, 86%
HSV	200°, 19%, 95%
XYZ	66.2610, 73.0847, 94.6188
YIQ	219.4410, -23.2910, -1.9070

Conversions

Conversions Part 2

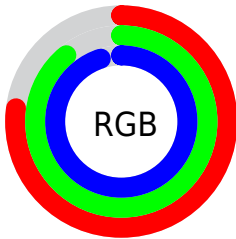
Format	Color
R _Y B	196, 215, 242
Decimal	12903410
CIE Lab	88.49, -7.03, -10.70
CIE LCh	88, 12.807, 236.689
Yxy	73.0847, 0.2832, 0.3124
Android (android.graphics.Color)	4291093490 (0xFFC4E3F2)
YUV	219.4410, 11.1216, -20.5578
Hunter-Lab	85.4896, -11.2556, -5.7787

Details

The XYZ color **66.2610, 73.0847, 94.6188** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.8766, 69.4513, 61.9485**, and the grayscale version is **67.5766, 71.0959, 77.4234**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **34.7708, 38.8010, 52.1111** is the 20% darker color. If you saturate the color by 10%, you get **58.3586, 65.8822, 93.6463**, and if you desaturate by 10%, it is **75.2819, 81.0144, 95.6751**.

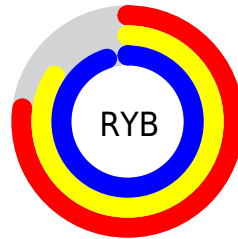
Distribution



Red (77%)

Green (89%)

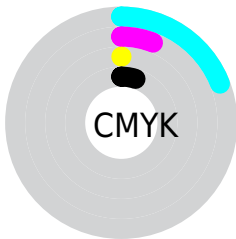
Blue (95%)



Red (77%)

Yellow (84%)

Blue (95%)

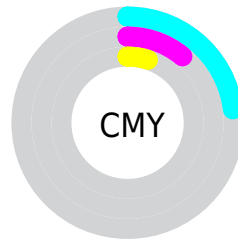


Cyan (19%)

Magenta (6%)

Yellow (0%)

Black (5%)



Cyan (23%)

Magenta (11%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2610, 73.0847, 94.6188 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 66.2610, 73.0847, 94.6188 by changing the saturation by 10% instead.

■ 66.2610, 73.0847,
94.6188

■ 66.2610, 73.0847,
94.6188

436.7837,
471.3083, 563.8970

■ 48.7528, 54.0452,
71.2226

112.9165,
123.5974, 155.7289

■ 34.6371, 38.6378,
52.0409

142.7945,
155.8395, 194.2799

■ 23.5487, 26.4781,
36.6552

177.5265,
193.2512, 238.7196

■ 15.1221, 17.1816,
24.6470

217.4779,
236.2170, 289.4665

■ 8.9920, 10.3641,
15.5976

263.0139,
285.1212, 346.9391

■ 4.7930, 5.6410,
9.0886

314.5000,

■ 2.1598, 2.6281,

340.3482, 411.5561

4.7014

372.3014,
402.2824, 483.7358

■ 0.7214, 0.9408,
2.0175

■ 0.0000, 0.0000,
0.5660

■ 66.2610, 73.0847,
94.6188

■ 66.2610, 73.0847,
94.6188

■ 58.3586, 65.8822,
93.6463

■ 75.2819, 81.0144,
95.6751

■ 51.5183, 59.3702,
92.7498

■ 85.4614, 89.6883,
96.8128

■ 45.6884, 53.5219,
91.9283

■ 91.6627, 96.4618,
97.7934

■ 40.8099, 48.3050,
91.1784

■ 93.0272, 99.1909,
98.2483

■ 36.8174, 43.6836,
90.4969

■ 33.6363, 39.6172,
89.8796

■ 31.1786, 36.0583,
89.3222

■ 29.3124, 32.9365,
88.8180

■ 29.1427, 32.6419,
88.7701

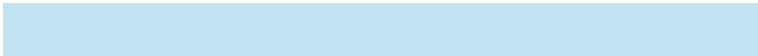
Harmonies

Analogous

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



64.3037, 73.0847, 87.4452



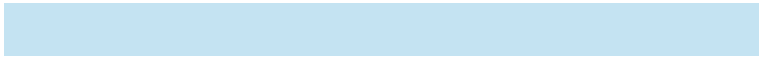
66.2610, 73.0847, 94.6188



69.1231, 73.0847, 97.7504

Triad

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



66.2610, 73.0847, 94.6188



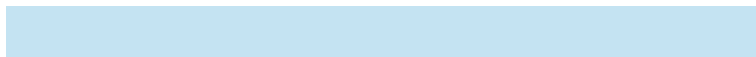
75.5503, 73.0847, 80.5611



66.8371, 73.0847, 65.3565

Complementary

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



66.2610, 73.0847, 94.6188



69.8766, 69.4513, 61.9485

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.



69.8076, 73.0847, 63.8081



66.2610, 73.0847, 94.6188



74.8949, 73.0847, 72.1951

Square

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



66.2610, 73.0847, 94.6188



74.5356, 73.0847, 89.2657



72.7703, 73.0847, 66.2200



64.6294, 73.0847, 70.6157

Rectangle

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



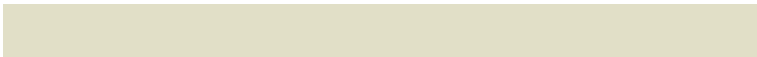
66.2610, 73.0847, 94.6188



71.1805, 73.0847, 96.9651



72.7703, 73.0847, 66.2200



67.7769, 73.0847, 64.4024

Sweetspot

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



66.2632, 73.0877, 94.6204



88.0727, 94.0714, 108.1234



66.2220, 79.9228, 73.2813



18.6948, 20.0010, 23.1252



0.0000, 0.0000, 0.0000



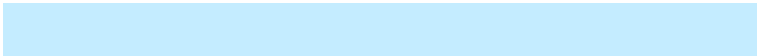
20.3446, 21.4041, 23.3091

Same Dimension

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



66.2632, 73.0877, 94.6204



70.8666, 78.9238, 106.1065



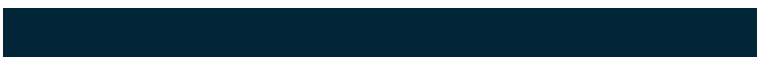
60.4894, 61.5401, 92.6958



15.7878, 17.0097, 20.1727



15.7852, 17.7946, 47.7306



1.4033, 1.6606, 4.0008

Inverse Universe

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



70.2247, 63.9048, 81.3100



76.1817, 66.9470, 88.1714



75.8826, 81.4633, 63.9505



16.2223, 15.9386, 18.7270



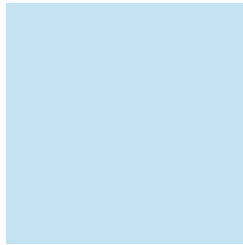
23.2933, 11.5897, 19.9927



1.9833, 0.9824, 1.9028

Previews

White Background



This preview shows how the XYZ color 66.2610, 73.0847, 94.6188 looks on a white background.

Color Contrast Check

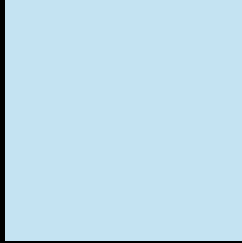
Large Text (above 18pt) WCAG AA × Fail

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 66.2610, 73.0847, 94.6188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

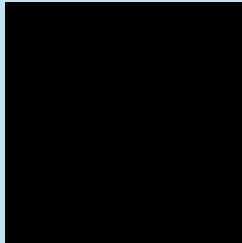
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.2610, 73.0847, 94.6188

Background



This preview shows how black text looks on a background with the XYZ color 66.2610, 73.0847, 94.6188.

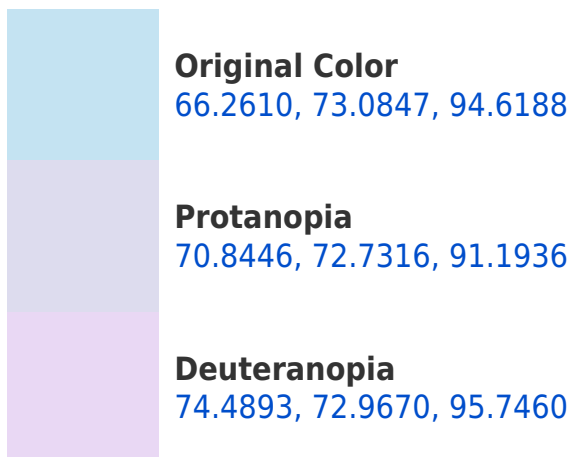


This preview shows how white text looks on a background with the XYZ color 66.2610, 73.0847,

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

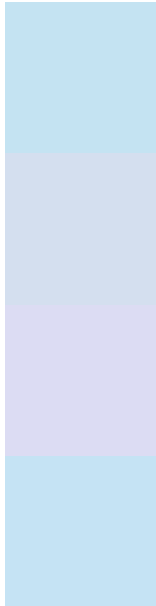




Tritanopia

66.9765, 73.4011, 97.0240

Trichromacy



Original Color

66.2610, 73.0847, 94.6188

Protanomaly

69.1190, 73.0044, 92.1096

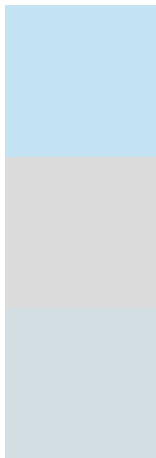
Deuteranomaly

71.2861, 72.8731, 95.1028

Tritanomaly

66.8242, 73.3401, 96.2220

Monochromacy



Original Color

66.2610, 73.0847, 94.6188

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.8504, 71.6375, 82.9771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2610, 73.0847, 94.6188 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, 227, 242)` looks like.

```
.text, #text, p{  
    color:rgb(196, 227, 242)  
}
```

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, 227, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 227, 242) }
```

Border

The CSS property to change the border of an element to XYZ 66.2610, 73.0847, 94.6188 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, 227, 242) }
```


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

```
.border{ border-color:rgb(196, 227, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 227, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 227, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 227, 242);  
box-shadow:4px 4px 4px 4px rgb(196, 227,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2610, 73.0847, 94.6188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 227, 242) }
```

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

```
.background{ background-color: rgb(196,  
227, 242) }
```

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