

Converting Colors

XYZ(47.7437, 62.0115, 93.5134)

Have a look what the booklet for
XYZ(47.7437, 62.0115, 93.5134)
contains.

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Color

**XYZ(47.6702, 61.8955,
93.4389)**

Conversions

Conversions Part 1

Format	Color
Hex	64DFF2
RGB	100, 223, 242
RGB Percent	39%, 87%, 95%
CMY	0.6078, 0.1255, 0.0510
CMYK	0.59, 0.08, 0.00, 0.05
HSL	188°, 85%, 67%
HSV	188°, 59%, 95%
XYZ	47.6702, 61.8955, 93.4389
YIQ	188.3890, -79.4070, -20.1670

Conversions

Conversions Part 2

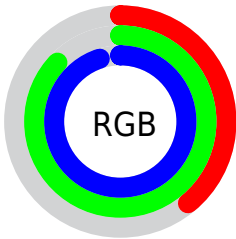
Format	Color
RYB	100, 166, 242
Decimal	6610930
CIELab	82.86, -28.85, -19.61
CIELCh	83, 34.888, 214.207
Yxy	61.8955, 0.2348, 0.3049
Android (android.graphics.Color)	4284801010 (0xFF64DFF2)
YUV	188.3890, 26.4302, -77.5172
Hunter-Lab	78.6737, -29.5217, -15.3458

Details

The XYZ color **47.6702, 61.8955, 93.4389** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.5164, 32.9926, 16.0276**, and the grayscale version is **47.9098, 50.4048, 54.8908**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **22.8068, 31.2471, 51.2836** is the 20% darker color. If you saturate the color by 10%, you get **44.5241, 59.0030, 93.0475**, and if you desaturate by 10%, it is **51.6314, 65.2355, 93.8759**.

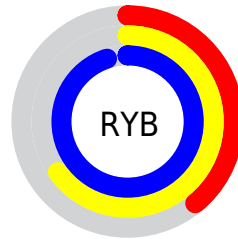
Distribution



Red (39%)

Green (87%)

Blue (95%)



Red (39%)

Yellow (65%)

Blue (95%)

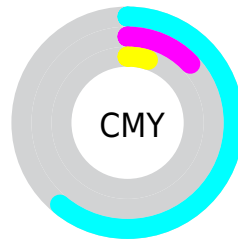


Cyan (59%)

Magenta (8%)

Yellow (0%)

Black (5%)



Cyan (61%)

Magenta (13%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6702, 61.8955, 93.4389 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 47.6702, 61.8955, 93.4389 by changing the saturation by 10% instead.

47.6702, 61.8955,
93.4389

47.6702, 61.8955,
93.4389

368.0878,
431.5498, 560.0113

33.7760, 44.9483,
70.2467

85.9258, 107.5745,
154.0831

22.8836, 31.4167,
51.2496

111.0179,
137.0750, 192.3721

14.6278, 20.9163,
36.0292

140.5733,
171.5288, 236.5305

8.6432, 13.0629,
24.1669

174.9574,
211.3202, 286.9767

4.5644, 7.4719,
15.2441

214.5356,
256.8336, 344.1294

2.0261, 3.7589,
8.8424

259.6731,

0.6486, 1.5396,

308.4534, 408.4070

4.5431

310.7354,
366.5640, 480.2281

■ 0.0000, 0.3164,
1.9278

■ 0.0000, 0.0000,
0.5103

■ 47.6702, 61.8955,
93.4389

■ 47.6702, 61.8955,
93.4389

■ 44.5241, 59.0030,
93.0475

■ 51.6314, 65.2355,
93.8759

■ 42.1146, 56.5132,
92.6940


■ 56.4658, 69.0490,
94.3572

■ 40.3573, 54.3840,
92.3756


■ 62.2330, 73.3681,
94.8869


■ 39.1268, 52.5505,
92.0866


■ 68.9852, 78.2201,
95.4676


 38.9809, 52.3182,
92.0494

 76.7713, 83.6301,
96.1014

 85.6364, 89.6215,
96.7907

 90.1222, 93.3808,
97.2798

 91.1139, 95.3642,
97.6104

 92.1228, 97.3821,
97.9467

Harmonies

Analogous

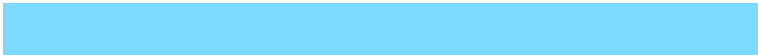
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.5633, 61.8955, 70.4751



47.6702, 61.8955, 93.4389



52.7635, 61.8955, 111.9437

Triad

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



47.6702, 61.8955, 93.4389



72.8230, 61.8955, 87.0526



57.7762, 61.8955, 33.9729

Complementary

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



47.6702, 61.8955, 93.4389



45.5164, 32.9926, 16.0276

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.



65.3442, 61.8955, 36.5778



47.6702, 61.8955, 93.4389



74.4499, 61.8955, 64.4034

Square

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



47.6702, 61.8955, 93.4389



67.3331, 61.8955, 107.7398



71.6078, 61.8955, 46.7028



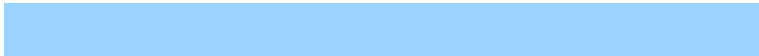
51.0744, 61.8955, 38.6350

Rectangle

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



47.6702, 61.8955, 93.4389



57.3832, 61.8955, 117.5204



71.6078, 61.8955, 46.7028



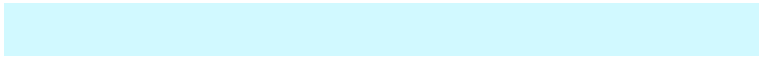
60.3005, 61.8955, 34.0362

Sweetspot

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



47.6721, 61.8978, 93.4404



78.2049, 88.4541, 107.5592



40.3350, 67.5453, 28.3454



16.2343, 18.5754, 22.9797



0.0000, 0.0000, 0.0000



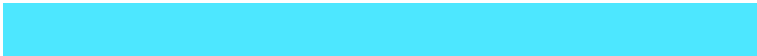
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6721, 61.8978, 93.4404



49.6793, 65.9949, 104.7277



32.5234, 31.6003, 88.3908



16.0565, 17.5471, 20.2623



21.0141, 28.2524, 49.4736



1.7977, 2.4493, 4.1322

Inverse Universe

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



54.4960, 33.3211, 73.3738



58.2995, 32.2742, 78.8454



57.3188, 56.5973, 19.9617



16.3580, 15.9929, 19.4412



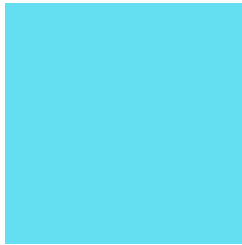
25.9326, 12.6455, 33.8911



2.1823, 1.0620, 2.9510

Previews

White Background



This preview shows how the XYZ color 47.6702, 61.8955, 93.4389 looks on a white background.

Color Contrast Check

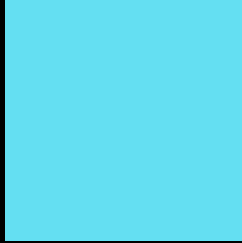
Large Text (above 18pt) WCAG AA × Fail

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 47.6702, 61.8955, 93.4389 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 47.6702, 61.8955, 93.4389

Background



This preview shows how black text looks on a background with the XYZ color 47.6702, 61.8955, 93.4389.

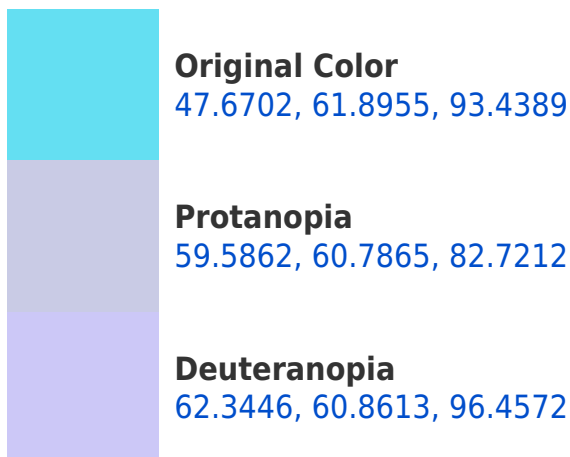


This preview shows how white text looks on a background with the XYZ color 47.6702, 61.8955,

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

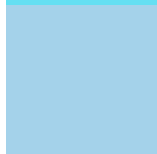
47.5204, 61.8356, 92.6500

Trichromacy



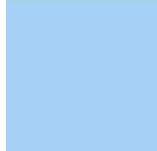
Original Color

47.6702, 61.8955, 93.4389



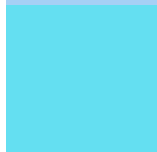
Protanomaly

53.2077, 59.9262, 86.6045



Deuteranomaly

54.7632, 59.8113, 95.0446



Tritanomaly

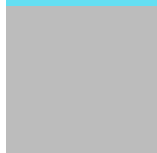
47.5204, 61.8356, 92.6500

Monochromacy



Original Color

47.6702, 61.8955, 93.4389



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.9821, 53.3953, 67.5573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6702, 61.8955, 93.4389 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(100, 223, 242)` looks like.

```
.text, #text, p{  
    color:rgb(100, 223, 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(100, 223, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 223, 242) }
```

Border

The CSS property to change the border of an element to XYZ 47.6702, 61.8955, 93.4389 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(100, 223, 242) }
```


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

```
.border{ border-color:rgb(100, 223, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 223, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 223, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 223, 242);  
box-shadow:4px 4px 4px 4px rgb(100, 223,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6702, 61.8955, 93.4389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 223, 242) }
```

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

```
.background{ background-color: rgb(100,  
223, 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](#).

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