

Converting Colors

XYZ(48.8139, 64.6084, 94.1016)

Have a look what the booklet for
XYZ(48.8139, 64.6084, 94.1016)
contains.

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Color

**XYZ(48.7002, 64.4390,
93.8756)**

Conversions

Conversions Part 1

Format	Color
Hex	61E4F2
RGB	97, 228, 242
RGB Percent	38%, 89%, 95%
CMY	0.6196, 0.1059, 0.0510
CMYK	0.60, 0.06, 0.00, 0.05
HSL	186°, 85%, 66%
HSV	186°, 60%, 95%
XYZ	48.7002, 64.4390, 93.8756
YIQ	190.4270, -82.5700, -23.4180

Conversions

Conversions Part 2

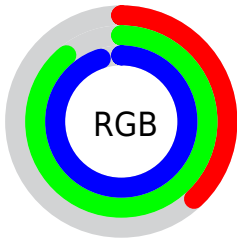
Format	Color
R_{YB}	97, 166, 242
Decimal	6415602
CIE _{Lab}	84.19, -31.77, -17.61
CIE _{LCh}	84, 36.323, 208.993
Yxy	64.4390, 0.2352, 0.3113
Android (android.graphics.Color)	4284605682 (0xFF61E4F2)
YUV	190.4270, 25.4255, -81.9355
Hunter-Lab	80.2739, -32.1878, -13.1444

Details

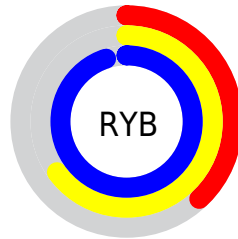
The XYZ color **48.7002, 64.4390, 93.8756** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.4616, 31.1109, 14.9728**, and the grayscale version is **49.0838, 51.6400, 56.2360**.

A 20% lighter version of the original color is **68.3072, 86.2136, 107.6485**, and **23.6155, 33.0502, 51.5890** is the 20% darker color. If you saturate the color by 10%, you get **45.8663, 62.0317, 93.5615**, and if you desaturate by 10%, it is **52.3330, 67.2738, 94.2325**.

Distribution



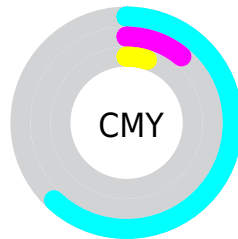
- Red (38%)
- Green (89%)
- Blue (95%)



- Red (38%)
- Yellow (65%)
- Blue (95%)



- Cyan (60%)
- Magenta (6%)
- Yellow (0%)
- Black (5%)



- Cyan (62%)
- Magenta (11%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7002, 64.4390, 93.8756 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 48.7002, 64.4390, 93.8756 by changing the saturation by 10% instead.

48.7002, 64.4390,
93.8756

48.7002, 64.4390,
93.8756

372.0974,
440.7732, 561.4512

34.5953, 47.0063,
70.6078

87.4494, 111.2429,
154.6925

23.5163, 33.0407,
51.5423

112.8244,
141.3830, 193.0786

15.0980, 22.1576,
36.2607

142.6868,
176.5276, 237.3412

8.9750, 13.9727,
24.3443

177.4020,
217.0612, 287.8990

4.7818, 8.1017,
15.3747

217.3353,
263.3682, 345.1703

2.1533, 4.1601,
8.9332

262.8521,

0.7179, 1.7635,

315.8329, 409.5737

4.6014

314.3177,
374.8398, 481.5278

■ 0.0000, 0.4643,
1.9608

■ 0.0000, 0.0000,
0.5310

■ 48.7002, 64.4390,
93.8756

■ 48.7002, 64.4390,
93.8756

■ 45.8663, 62.0317,
93.5615

■ 52.3330, 67.2738,
94.2325

■ 43.7512, 60.0064,
93.2821

■ 56.8237, 70.5624,
94.6306

■ 42.2687, 58.3201,
93.0347

■ 62.2321, 74.3372,
95.0741

■ 41.2722, 56.8971,
92.8125

■ 68.6115, 78.6255,
95.5656

■ 41.2644, 56.8853,
92.8107

■ 76.0107, 83.4526,
96.1073

■ 84.4754, 88.8422,
96.7015

■ 89.7257, 92.5878,
97.1478

■ 90.4346, 94.0055,
97.3840

■ 91.1524, 95.4411,
97.6233

Harmonies

Analogous

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



47.0589, 64.4390, 69.3879



48.7002, 64.4390, 93.8756



53.6263, 64.4390, 115.3442

Triad

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



48.7002, 64.4390, 93.8756



75.4706, 64.4390, 95.5216



61.5194, 64.4390, 34.5627

Complementary

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



48.7002, 64.4390, 93.8756



44.4616, 31.1109, 14.9728

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.



69.5582, 64.4390, 38.6548



48.7002, 64.4390, 93.8756



78.0345, 64.4390, 70.9441

Square

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



48.7002, 64.4390, 93.8756



69.0472, 64.4390, 116.4314



75.7833, 64.4390, 50.8232



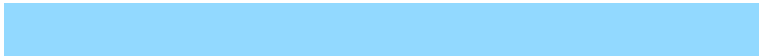
54.0581, 64.4390, 38.1343

Rectangle

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



48.7002, 64.4390, 93.8756



58.3438, 64.4390, 123.1910



75.7833, 64.4390, 50.8232



64.2457, 64.4390, 35.0687

Sweetspot

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



48.7022, 64.4414, 93.8771



78.7354, 89.5151, 107.7361



39.4484, 67.1530, 25.3763



16.3656, 18.8381, 23.0235



0.0000, 0.0000, 0.0000



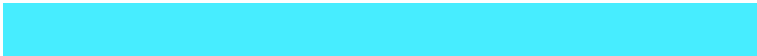
20.3446, 21.4041, 23.3091

Same Dimension

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



48.7022, 64.4414, 93.8771



51.0418, 69.3024, 105.2943



33.0863, 33.2096, 88.6718



16.1093, 17.6528, 20.2799



22.2233, 30.6709, 49.8767



1.8863, 2.6266, 4.1618

Inverse Universe

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



54.8980, 33.0300, 76.8833



58.8450, 31.9480, 83.3966



55.4201, 53.0279, 18.6256



16.3846, 16.0036, 19.5817



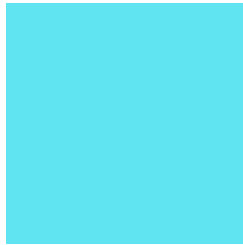
26.5429, 12.8896, 37.1052



2.2271, 1.0799, 3.1866

Previews

White Background



This preview shows how the XYZ color 48.7002, 64.4390, 93.8756 looks on a white background.

Color Contrast Check

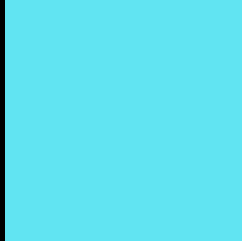
Large Text (above 18pt) WCAG AA × Fail

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 48.7002, 64.4390, 93.8756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

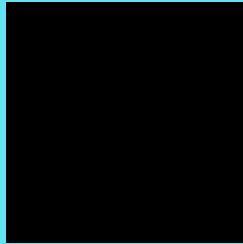
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7002, 64.4390, 93.8756

Background



This preview shows how black text looks on a background with the XYZ color 48.7002, 64.4390, 93.8756.



This preview shows how white text looks on a background with the XYZ color 48.7002, 64.4390,

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



Original Color

48.7002, 64.4390, 93.8756

Protanopia

61.9093, 63.4046, 83.1041

Deuteranopia

64.9597, 63.6028, 96.8485



Tritanopia

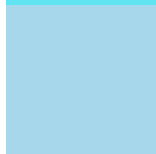
49.2492, 64.2446, 96.9935

Trichromacy



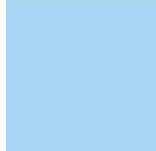
Original Color

48.7002, 64.4390, 93.8756



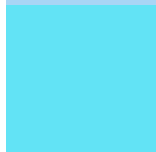
Protanomaly

54.8776, 62.6484, 87.0419



Deuteranomaly

56.6379, 62.6161, 95.4872



Tritanomaly

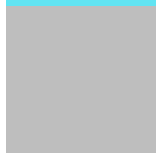
48.9875, 64.1274, 96.1821

Monochromacy



Original Color

48.7002, 64.4390, 93.8756



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.8118, 54.8571, 68.4428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7002, 64.4390, 93.8756 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(97, 228, 242)` looks like.

```
.text, #text, p{  
    color:rgb(97, 228, 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(97, 228, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 228, 242) }
```

Border

The CSS property to change the border of an element to XYZ 48.7002, 64.4390, 93.8756 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(97, 228, 242) }
```


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

```
.border{ border-color:rgb(97, 228, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 228, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 228, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 228, 242);  
box-shadow:4px 4px 4px 4px rgb(97, 228,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7002, 64.4390, 93.8756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 228, 242) }
```

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

```
.background{ background-color: rgb(97, 228,  
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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