

Converting Colors

XYZ(48.3391, 64.6970, 94.0253)

Have a look what the booklet for
XYZ(48.3391, 64.6970, 94.0253)
contains.

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Color

**XYZ(48.2628, 64.6231,
93.9342)**

Conversions

Conversions Part 1

Format	Color
Hex	5AE5F2
RGB	90, 229, 242
RGB Percent	35%, 90%, 95%
CMY	0.6470, 0.1019, 0.0510
CMYK	0.63, 0.05, 0.00, 0.05
HSL	185°, 85%, 65%
HSV	185°, 63%, 95%
XYZ	48.2628, 64.6231, 93.9342
YIQ	188.9210, -87.0170, -25.4250

Conversions

Conversions Part 2

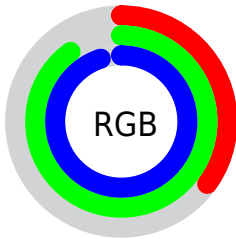
Format	Color
R_{YB}	90, 163, 242
Decimal	5957106
CIE _{Lab}	84.29, -33.38, -17.48
CIE _{LCh}	84, 37.683, 207.638
Yxy	64.6231, 0.2334, 0.3125
Android (android.graphics.Color)	4284147186 (0xFF5AE5F2)
YUV	188.9210, 26.1679, -86.7537
Hunter-Lab	80.3885, -33.5139, -13.0086

Details

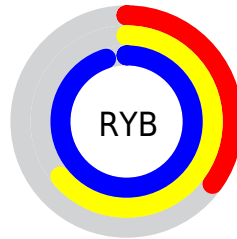
The XYZ color **48.2628, 64.6231, 93.9342** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **43.3152, 29.3177, 13.0507**, and the grayscale version is **48.2177, 50.7287, 55.2436**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **23.8065, 33.4323, 51.6527** is the 20% darker color. If you saturate the color by 10%, you get **45.7121, 62.4645, 93.6532**, and if you desaturate by 10%, it is **51.5902, 67.1950, 94.2564**.

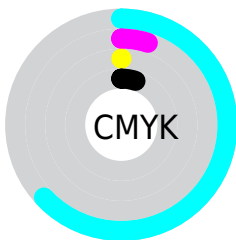
Distribution



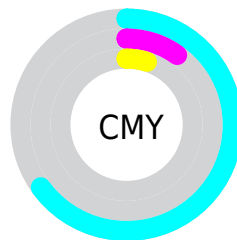
- Red (35%)
- Green (90%)
- Blue (95%)



- Red (35%)
- Yellow (64%)
- Blue (95%)



- Cyan (63%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)





- Cyan (65%)
- Magenta (10%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2628, 64.6231, 93.9342 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 48.2628, 64.6231, 93.9342 by changing the saturation by 10% instead.


 48.2628, 64.6231,
93.9342


 48.2628, 64.6231,
93.9342


370.3981,
441.4363, 561.6442


 34.2472, 47.1555,
70.6562


 86.8029, 111.5078,
154.7742

 23.2473, 33.1586,
51.5816


 112.0581,
141.6938, 193.1734

 14.8979, 22.2480,
36.2918


 141.7904,
176.8879, 237.4500

 8.8336, 14.0392,
24.3681


 176.3654,
217.4748, 288.0226

 4.6891, 8.1480,
15.3922

216.1483,
263.8386, 345.3098

 2.0989, 4.1898,
8.9454

261.5045,

 0.6886, 1.7803,

316.3639, 409.7301

4.6093

312.7993,
375.4350, 481.7021

■ 0.0000, 0.4748,
1.9652

■ 0.0000, 0.0000,
0.5338

■ 48.2628, 64.6231,
93.9342

■ 48.2628, 64.6231,
93.9342

■ 45.7121, 62.4645,
93.6532

■ 51.5902, 67.1950,
94.2564

■ 43.8547, 60.6720,
93.4051


■ 55.7555, 70.2077,
94.6184


■ 42.5987, 59.1997,
93.1871


■ 60.8207, 73.6944,
95.0244


■ 41.9646, 58.2856,
93.0441


■ 66.8399, 77.6832,
95.4771

 73.8633, 82.2000,
95.9788

 81.9374, 87.2687,
96.5316

 89.4647, 92.0659,
97.0608

 90.0893, 93.3149,
97.2690

 90.7208, 94.5780,
97.4795

Harmonies

Analogous

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



46.7302, 64.6231, 68.4849



48.2628, 64.6231, 93.9342



53.2193, 64.6231, 116.8142

Triad

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



48.2628, 64.6231, 93.9342



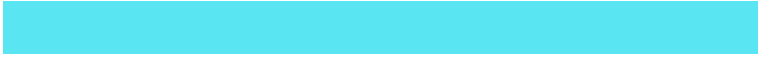
76.0142, 64.6231, 97.9715



62.0866, 64.6231, 33.6814

Complementary

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



48.2628, 64.6231, 93.9342



43.3152, 29.3177, 13.0507

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.



70.4277, 64.6231, 38.2194



48.2628, 64.6231, 93.9342



78.9102, 64.6231, 72.2763

Square

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



48.2628, 64.6231, 93.9342



69.1792, 64.6231, 119.4922



76.7797, 64.6231, 51.1078



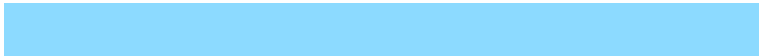
54.2681, 64.6231, 36.9713

Rectangle

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



48.2628, 64.6231, 93.9342



58.0473, 64.6231, 125.5454



76.7797, 64.6231, 51.1078



64.9257, 64.6231, 34.3140

Sweetspot

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



48.2648, 64.6255, 93.9357



78.1090, 89.3255, 107.7325



38.4018, 66.6520, 23.5877



16.2520, 18.8170, 23.0254



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.



48.2648, 64.6255, 93.9357



50.9107, 69.8268, 105.4024



31.6913, 31.4786, 88.4113



16.1250, 17.6842, 20.2851



22.5938, 31.4119, 50.0002



1.9133, 2.6807, 4.1708

Inverse Universe

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



54.4187, 31.8486, 77.4105



58.5869, 31.1097, 84.3034



54.5186, 51.7244, 16.7851



16.3925, 16.0067, 19.6234



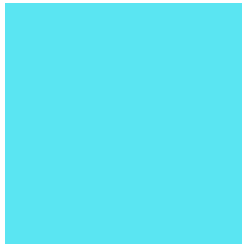
26.7299, 12.9644, 38.0900



2.2407, 1.0853, 3.2584

Previews

White Background



This preview shows how the XYZ color 48.2628, 64.6231, 93.9342 looks on a white background.

Color Contrast Check

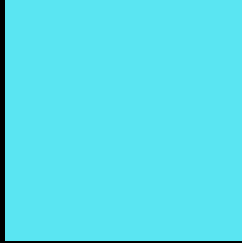
Large Text (above 18pt) WCAG AA × Fail

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 48.2628, 64.6231, 93.9342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

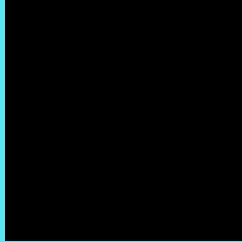
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2628, 64.6231, 93.9342

Background



This preview shows how black text looks on a background with the XYZ color 48.2628, 64.6231, 93.9342.

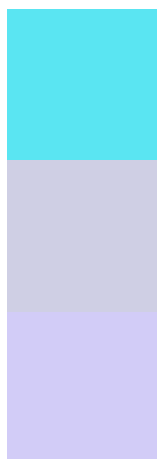


This preview shows how white text looks on a background with the XYZ color 48.2628, 64.6231,

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

48.2628, 64.6231, 93.9342

Protanopia

62.0485, 63.4925, 82.3838

Deuteranopia

64.9597, 63.6028, 96.8485



Tritanopia

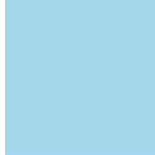
48.9455, 64.4775, 97.8614

Trichromacy



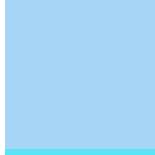
Original Color

48.2628, 64.6231, 93.9342



Protanomaly

54.3183, 62.3766, 86.2678



Deuteranomaly

56.0016, 62.2881, 95.4574



Tritanomaly

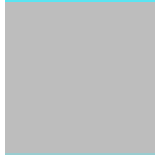
48.5392, 64.3035, 96.2397

Monochromacy



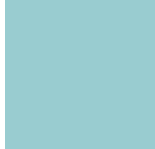
Original Color

48.2628, 64.6231, 93.9342



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.1149, 54.5121, 67.7659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2628, 64.6231, 93.9342 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(90, 229, 242)` looks like.

```
.text, #text, p{  
    color:rgb(90, 229, 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(90, 229, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 229, 242) }
```

Border

The CSS property to change the border of an element to XYZ 48.2628, 64.6231, 93.9342 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(90, 229, 242) }
```


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

```
.border{ border-color:rgb(90, 229, 242) }
```

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

Here you see how a box with a 4 pixel rgb(90, 229, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 229, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 229, 242);  
box-shadow:4px 4px 4px 4px rgb(90, 229,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2628, 64.6231, 93.9342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 229, 242) }
```

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

```
.background{ background-color: rgb(90, 229,  
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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