

Converting Colors

XYZ(49.7507, 62.5803,
104.6816)

Have a look what the booklet for
XYZ(49.7507, 62.5803, 104.6816)
contains.

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Color

**XYZ(49.6932, 62.7047,
104.0918)**

Conversions

Conversions Part 1

Format	Color
Hex	64DFFF
RGB	100, 223, 255
RGB Percent	39%, 87%, 100%
CMY	0.6078, 0.1255, 0.0000
CMYK	0.61, 0.13, 0.00, 0.00
HSL	192°, 100%, 70%
HSV	192°, 61%, 100%
XYZ	49.6932, 62.7047, 104.0918
YIQ	189.8710, -83.5800, -16.1240

Conversions

Conversions Part 2

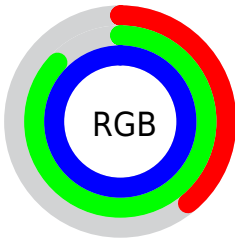
Format	Color
RYB	100, 169, 255
Decimal	6610943
CIELab	83.29, -25.16, -25.84
CIELCh	83, 36.065, 225.762
Yxy	62.7047, 0.2295, 0.2896
Android (android.graphics.Color)	4284801023 (0xFF64DFFF)
YUV	189.8710, 32.1086, -78.8169
Hunter-Lab	79.1863, -26.5587, -22.5074

Details

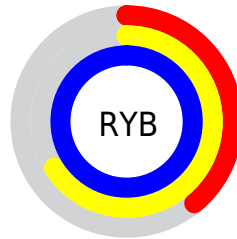
The XYZ color **49.6932, 62.7047, 104.0918** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **51.7926, 38.6841, 16.7957**, and the grayscale version is **48.7270, 51.2646, 55.8271**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **24.1957, 32.0825, 58.3434** is the 20% darker color. If you saturate the color by 10%, you get **45.9171, 58.7037, 103.5186**, and if you desaturate by 10%, it is **54.3989, 67.2525, 104.7216**.

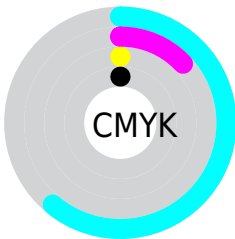
Distribution



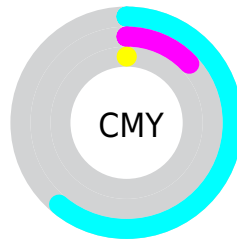
- Red (39%)
- Green (87%)
- Blue (100%)



- Red (39%)
- Yellow (66%)
- Blue (100%)



- Cyan (61%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6932, 62.7047, 104.0918 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 49.6932, 62.7047, 104.0918 by changing the saturation by 10% instead.

49.6932, 62.7047,
104.0918

49.6932, 62.7047,
104.0918

375.9368,
434.4970, 594.5916

35.3865, 45.6024,
79.0863

88.9147, 108.7434,
168.8697

24.1286, 31.9321,
58.4450

114.5602,
138.4485, 209.4792

15.5543, 21.3097,
41.7495

144.7159,
173.1233, 256.1271

9.2982, 13.3506,
28.5811

179.7474,
213.1523, 309.2319

4.9948, 7.6704,
18.5213

220.0198,
258.9197, 369.2123

2.2790, 3.8848,
11.1516

265.8987,

0.7839, 1.6093,

310.8100, 436.4866

6.0534

317.7492,
369.2077, 511.4735

■ 0.0000, 0.3639,
2.8083

■ 0.0000, 0.0000,
0.9976

■ 49.6932, 62.7047,
104.0918

■ 49.6932, 62.7047,
104.0918

■ 45.9171, 58.7037,
103.5186

■ 54.3989, 67.2525,
104.7216

■ 42.9794, 55.1979,
102.9968

■ 60.1037, 72.3795,
105.4106

■ 40.7790, 52.1360,
102.5217

■ 66.8764, 78.1231,
106.1622

■ 39.2545, 49.6291,
102.1182

■ 74.7782, 84.5154,
106.9796

■ 83.8652, 91.5858,
107.8654

■ 94.1899, 99.3621,
108.8222

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



46.2424, 62.7047, 80.6801



49.6932, 62.7047, 104.0918



55.9694, 62.7047, 119.2234

Triad

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



49.6932, 62.7047, 104.0918



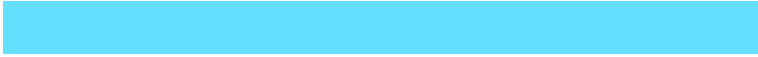
75.4288, 62.7047, 79.4475



55.5990, 62.7047, 34.5968

Complementary

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



49.6932, 62.7047, 104.0918



51.7926, 38.6841, 16.7957

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.



63.3821, 62.7047, 34.4083



49.6932, 62.7047, 104.0918



75.3076, 62.7047, 57.2111

Square

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



49.6932, 62.7047, 104.0918



71.0587, 62.7047, 103.0207



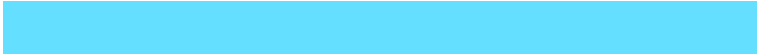
70.7406, 62.7047, 41.7905



49.4426, 62.7047, 42.3782

Rectangle

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



49.6932, 62.7047, 104.0918



61.1244, 62.7047, 120.8367



70.7406, 62.7047, 41.7905



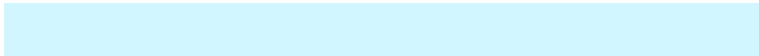
58.0990, 62.7047, 33.7117

Sweetspot

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



49.6950, 62.7069, 104.0922



77.1841, 86.4125, 107.2190



45.1136, 75.8687, 33.7414



15.9822, 18.0712, 22.8957



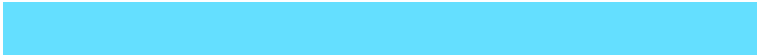
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.6950, 62.7069, 104.0922



45.1960, 57.8846, 103.3985



33.6634, 30.6438, 98.7483



18.2177, 19.8071, 23.1129



20.6222, 26.1539, 53.3959



2.0843, 2.6993, 5.2244

Inverse Universe

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



59.1177, 35.7038, 73.5901



55.8276, 30.4853, 68.2953



66.2192, 67.5374, 21.6045



18.6226, 18.2323, 21.8955



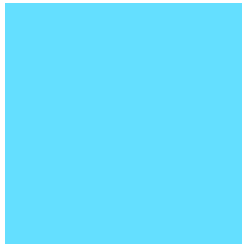
27.1973, 13.3682, 30.7532



2.6867, 1.3170, 3.1973

Previews

White Background



This preview shows how the XYZ color 49.6932, 62.7047, 104.0918 looks on a white background.

Color Contrast Check

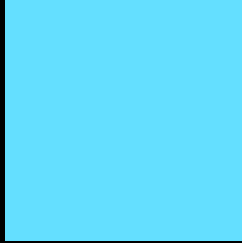
Large Text (above 18pt) WCAG AA × Fail

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 49.6932, 62.7047, 104.0918 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 49.6932, 62.7047, 104.0918

Background



This preview shows how black text looks on a background with the XYZ color 49.6932, 62.7047, 104.0918.

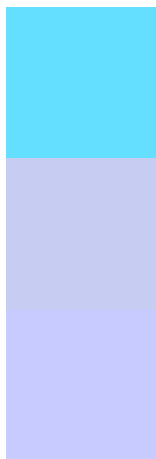


This preview shows how white text looks on a background with the XYZ color 49.6932, 62.7047,

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

49.6932, 62.7047, 104.0918

Protanopia

61.1731, 61.7387, 92.6970

Deuteranopia

62.9591, 62.0740, 103.2709



Tritanopia

47.8222, 62.7544, 94.3863

Trichromacy



Original Color

49.6932, 62.7047, 104.0918

Protanomaly

55.1870, 61.0905, 96.8787

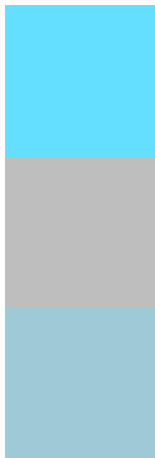
Deuteranomaly

56.2009, 61.0997, 103.4391

Tritanomaly

48.3739, 62.5681, 97.5230

Monochromacy



Original Color

49.6932, 62.7047, 104.0918

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.1628, 54.2642, 71.6066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6932, 62.7047, 104.0918 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 223, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 223, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.6932, 62.7047, 104.0918 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, 255) }
```


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

```
.border{ border-color:rgb(100, 223, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 223,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6932, 62.7047, 104.0918 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, 255) }
```

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

```
.background{ background-color: rgb(100,  
223, 255) }
```

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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