Converting Colors

XYZ(49.7646, 62.9375, 104.1330)

Have a look what the booklet for XYZ(49.7646, 62.9375, 104.1330) contains.

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Color

XYZ(49.5833, 62.6480, 104.0867)

Conversions

Conversions Part 1

Format	Color
Hex	63DFFF
RGB	99, 223, 255
RGB Percent	39%, 87%, 100%
CMY	0.6117, 0.1255, 0.0000
CMYK	0.61, 0.13, 0.00, 0.00
HSL	192°, 100%, 69%
HSV	192°, 61%, 100%
XYZ	49.5833, 62.6480, 104.0867
YIQ	189.5720, -84.1760, -16.3360

Conversions

Conversions Part 2

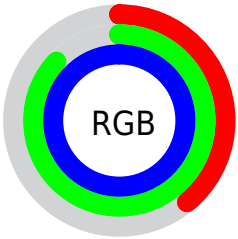
Format	Color
RYB	99, 168, 255
Decimal	6545407
CIELab	83.26, -25.33, -25.89
CIELCh	83, 36.217, 225.625
Yxy	62.6480, 0.2292, 0.2896
Android (android.graphics.Color)	4284735487 (0xFF63DFFF)
YUV	189.5720, 32.2560, -79.4316
Hunter-Lab	79.1505, -26.6932, -22.5639

Details

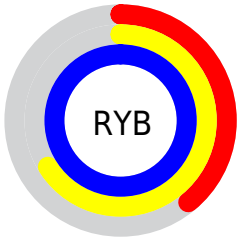
The XYZ color 49.5833, 62.6480, 104.0867 is a light color, and the websafe version is hex 33CCFF. A complement of this color would be 51.6096, 38.3951, 16.4975, and the grayscale version is 48.5549, 51.0836, 55.6300.

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 45.8489, 58.6814, 103.5179, and if you desaturate by 10%, it is 54.2437, 67.1586, 104.7117.

Distribution

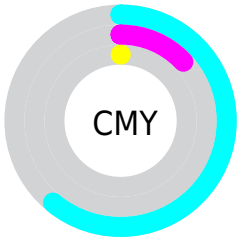


- Red (39%)
- Green (87%)
- Blue (100%)



- 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 49.5833, 62.6480, 104.0867 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 49.5833, 62.6480, 104.0867 by changing the saturation by 10% instead.

49.5833, 62.6480, 104.0867

49.5833, 62.6480, 104.0867

375.5131, 434.2909, 594.5753

35.2989, 45.5565, 79.0820

88.7527, 108.6615, 168.8627

24.0608, 31.8960, 58.4415

114.3683, 138.3523, 209.4711

15.5037, 21.2821, 41.7467

144.4918, 173.0117, 256.1178

9.2623, 13.3303, 28.5789

179.4884, 213.0241, 309.2214

4.9711, 7.6564, 18.5197

219.7234, 258.7737, 369.2004

2.2649, 3.8759, 11.1504

265.5623,

0.7766, 1.6044,

310.6452, 436.4734

317.3705, 369.0228, 511.4588

6.0527

0.0000, 0.3606, 2.8078

0.0000, 0.0000, 0.9974

49.5833, 62.6480, 104.0867

49.5833, 62.6480, 104.0867

45.8489, 58.6814, 103.5179

54.2437, 67.1586, 104.7117

42.9486, 55.2071, 103.0001

59.8998, 72.2459, 105.3955

40.7806, 52.1732, 102.5288

66.6208, 77.9474, 106.1418

39.3339, 49.7878, 102.1446

74.4680, 84.2952, 106.9535

83.4977, 91.3189, 107.8333

93.7626, 99.0462, 108.7838

95.0500, 100.0000, 108.9000

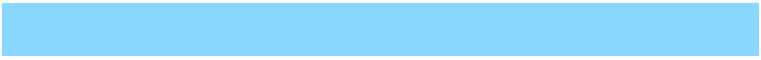
Harmonies

Analogous

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

46.1371, 62.6480, 80.5547

49.5833, 62.6480, 104.0867



55.8691, 62.6480, 119.3525

Triad

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

49.5833, 62.6480, 104.0867

75.4273, 62.6480, 79.5399

55.5644, 62.6480, 34.4286

Complementary

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

49.5833, 62.6480, 104.0867

51.6096, 38.3951, 16.4975

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.

63.3788, 62.6480, 34.2739

49.5833, 62.6480, 104.0867

75.3275, 62.6480, 57.2010

Square

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

49.5833, 62.6480, 104.0867

71.0209, 62.6480, 103.2042

70.7590, 62.6480, 41.7043

49.3772, 62.6480, 42.1872

Rectangle

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

49.5833, 62.6480, 104.0867

61.0395, 62.6480, 121.0264

70.7590, 62.6480, 41.7043

58.0752, 62.6480, 33.5538

Sweetspot

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

49.5851, 62.6502, 104.0870

77.2025, 86.4493, 107.2251

44.9497, 75.7904, 33.4519

15.9868, 18.0803, 22.8972

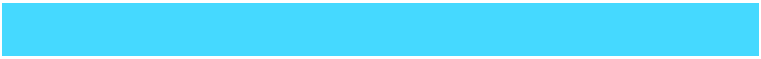
0.0000, 0.0000, 0.0000

20.3446, 21.4041, 23.3091

Same Dimension

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

49.5851, 62.6502, 104.0870



45.2593, 58.0112, 103.4196

33.4456, 30.3712, 98.7072

18.2199, 19.8114, 23.1136

20.6632, 26.2359, 53.4096

2.0879, 2.7066, 5.2256

Inverse Universe

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

59.0224, 35.5132, 73.5582

55.8595, 30.4981, 68.4636

66.0979, 67.3716, 21.3269

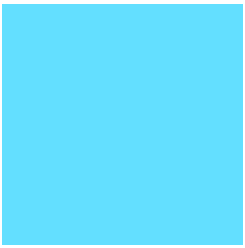
18.6236, 18.2328, 21.9012

27.2180, 13.3765, 30.8621

2.6885, 1.3178, 3.2070

Previews

White Background

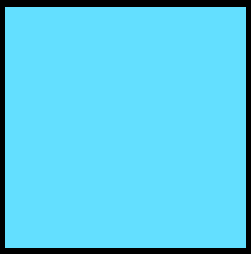


This preview shows how the XYZ color 49.5833, 62.6480, 104.0867 looks on a white background.

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



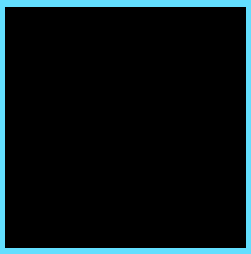
This preview shows how the XYZ color 49.5833, 62.6480, 104.0867 looks on a black background.

Color Contrast Check

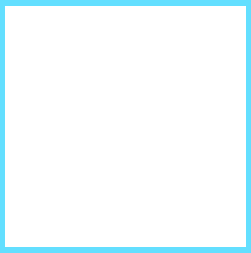
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 49.5833, 62.6480, 104.0867 Background



This preview shows how black text looks on a background with the XYZ color 49.5833, 62.6480, 104.0867.



This preview shows how white text looks on a background with the XYZ color 49.5833, 62.6480,

104.0867.

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

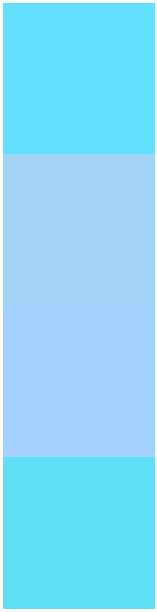
Original Color
49.5833, 62.6480, 104.0867

Protanopia
61.1731, 61.7387, 92.6970

Deuteranopia
62.7237, 61.6032, 103.1924

Tritanopia
47.7190, 62.7012, 94.3815

Trichromacy



Original Color
49.5833, 62.6480, 104.0867

Protanomaly
55.1870, 61.0905, 96.8787

Deuteranomaly
56.2009, 61.0997, 103.4391

Tritanomaly
48.2680, 62.5135, 97.5180

Monochromacy

Original Color
49.5833, 62.6480, 104.0867

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 49.5833, 62.6480, 104.0867 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(99, 223, 255) looks like.

```
.text, #text, p{
    color:rgb(99, 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(99, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 223, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.5833, 62.6480, 104.0867 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(99, 223, 255) }
```

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

```
.border{ border-color:rgb(99, 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(99, 223, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(99, 223, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(99, 223, 255); box-shadow:4px 4px 4px 4px rgb(99, 223, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5833, 62.6480, 104.0867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(99, 223, 255) }
```

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

```
.background{ background-color:rgb(99, 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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