

Converting Colors

XYZ(27.4375, 33.4007, 49.7968)

Have a look what the booklet for
XYZ(27.4375, 33.4007, 49.7968)
contains.

XYZ(27.4390, 33.4007, 49.8005)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.4390, 33.4007,
49.8005)**

Conversions

Conversions Part 1

Format	Color
Hex	64A6B7
RGB	100, 166, 183
RGB Percent	39%, 65%, 72%
CMY	0.6078, 0.3490, 0.2823
CMYK	0.45, 0.09, 0.00, 0.28
HSL	192°, 37%, 55%
HSV	192°, 45%, 72%
XYZ	27.4390, 33.4007, 49.8005
YIQ	148.2040, -44.7930, -8.7050

Conversions

Conversions Part 2

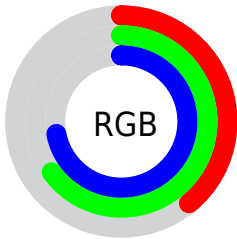
Format	Color
RYB	100, 137, 183
Decimal	6596279
CIELab	64.48, -16.46, -15.33
CIElCh	64, 22.491, 222.966
Yxy	33.4007, 0.2480, 0.3019
Android (android.graphics.Color)	4284786359 (0xFF64A6B7)
YUV	148.2040, 17.1544, -42.2749
Hunter-Lab	57.7933, -16.3905, -10.6348

Details

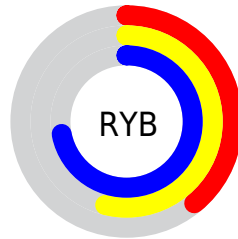
The XYZ color **27.4390, 33.4007, 49.8005** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.1906, 23.7105, 15.1483**, and the grayscale version is **28.1784, 29.6458, 32.2843**.

A 20% lighter version of the original color is **54.9540, 64.9135, 91.2945**, and **11.0853, 14.1818, 23.2722** is the 20% darker color. If you saturate the color by 10%, you get **24.9666, 31.1301, 49.4931**, and if you desaturate by 10%, it is **30.3879, 35.9479, 50.1373**.

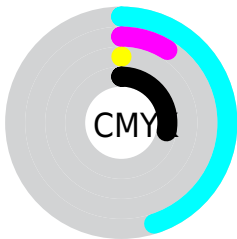
Distribution



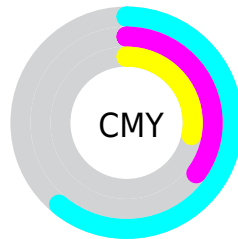
- Red (39%)
- Green (65%)
- Blue (72%)



- Red (39%)
- Yellow (54%)
- Blue (72%)



- Cyan (45%)
- Magenta (9%)
- Yellow (0%)
- Black (28%)



- Cyan (61%)
- Magenta (35%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4390, 33.4007, 49.8005 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 27.4390, 33.4007, 49.8005 by changing the saturation by 10% instead.

■ 27.4390, 33.4007,
49.8005

■ 27.4390, 33.4007,
49.8005

281.9054,
317.4515, 402.5980

■ 18.0415, 22.4336,
34.8848

■ 55.0025, 65.0006,
91.2725

■ 11.0796, 14.1758,
23.2913

■ 73.8991, 86.4022,
118.6659

■ 6.1881, 8.2431,
14.6015

■ 96.6928, 112.0507,
151.0556

■ 3.0015, 4.2509,
8.3967

■ 123.7490,
142.3306, 188.8602

■ 1.1546, 1.8149,
4.2584

155.4330,
177.6262, 232.4982

■ 0.0701, 0.4964,
1.7681

192.1102,

■ 0.0000, 0.0000,

218.3220, 282.3881

0.4068

234.1459,
264.8023, 338.9485

■ 0.0000, 0.0000,
0.0000

■ 27.4390, 33.4007,
49.8005

■ 27.4390, 33.4007,
49.8005

■ 24.9666, 31.1301,
49.4931

■ 30.3879, 35.9479,
50.1373

■ 22.9367, 29.1161,
49.2114

■ 33.8384, 38.7827,
50.5026

■ 21.3154, 27.3418,
48.9544

■ 37.8174, 41.9198,
50.8984

■ 20.0626, 25.7861,
48.7201

■ 42.3489, 45.3720,
51.3259

■ 19.1285, 24.4233,
48.5063

■ 47.4554, 49.1511,
51.7862

■ 18.7527, 23.8296,
48.4115

■ 53.1581, 53.2682,
52.2804

■ 59.4774, 57.7340,
52.8093

■ 66.4322, 62.5586,
53.3740

■ 70.3801, 65.8644,
53.8040

Harmonies

Analogous

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



26.1014, 33.4007, 40.4813



27.4390, 33.4007, 49.8005



29.9717, 33.4007, 56.0310

Triad

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



27.4390, 33.4007, 49.8005



38.0236, 33.4007, 41.7979



30.3810, 33.4007, 21.7136

Complementary

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



27.4390, 33.4007, 49.8005



28.1906, 23.7105, 15.1483

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.



33.5898, 33.4007, 21.9448



27.4390, 33.4007, 49.8005



38.1517, 33.4007, 32.5426

Square

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



27.4390, 33.4007, 49.8005



36.1434, 33.4007, 50.9033



36.4824, 33.4007, 25.5977



27.7212, 33.4007, 24.9016

Rectangle

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



27.4390, 33.4007, 49.8005



32.0669, 33.4007, 57.0403



36.4824, 33.4007, 25.5977



31.4280, 33.4007, 21.4121

Sweetspot

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



27.4400, 33.4020, 49.8013



68.5903, 75.7422, 91.2403



25.3772, 37.8520, 22.6762



14.7870, 16.4484, 20.1171



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.4400, 33.4020, 49.8013



44.9007, 55.9302, 88.6648



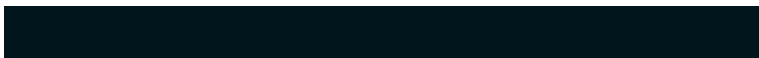
21.1246, 20.7711, 47.6961



9.1063, 9.8898, 11.5084



13.1319, 16.7236, 33.7889



0.5030, 0.6696, 1.2045

Inverse Universe

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



30.9694, 21.9357, 38.6796



52.2015, 33.6859, 65.3280



34.0733, 35.4760, 17.1092



9.3000, 9.1304, 10.9272



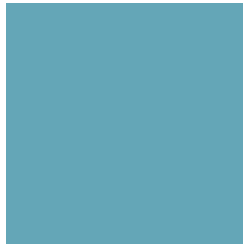
17.2421, 8.4706, 19.6934



0.6280, 0.3067, 0.8007

Previews

White Background



This preview shows how the XYZ color 27.4390, 33.4007, 49.8005 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 27.4390, 33.4007, 49.8005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

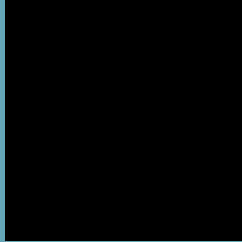
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.4390, 33.4007, 49.8005

Background



This preview shows how black text looks on a background with the XYZ color 27.4390, 33.4007, 49.8005.



This preview shows how white text looks on a background with the XYZ color 27.4390, 33.4007,

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

27.4390, 33.4007, 49.8005

Protanopia

32.2424, 32.8817, 45.2049

Deuteranopia

33.8015, 33.0696, 51.0559



Tritanopia

27.2025, 33.5854, 48.2289

Trichromacy



Original Color

27.4390, 33.4007, 49.8005

Protanomaly

29.9356, 32.6546, 46.8447

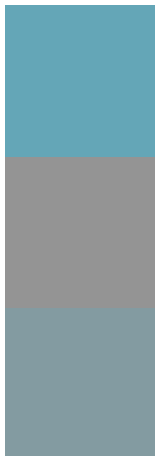
Deuteranomaly

30.9673, 32.8510, 50.6077

Tritanomaly

27.3048, 33.6263, 48.7675

Monochromacy



Original Color

27.4390, 33.4007, 49.8005

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.5144, 30.8412, 38.2210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4390, 33.4007, 49.8005 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, 166, 183)` looks like.

```
.text, #text, p{  
    color:rgb(100, 166, 183)  
}
```

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, 166, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 166, 183) }
```

Border

The CSS property to change the border of an element to XYZ 27.4390, 33.4007, 49.8005 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, 166, 183) }
```


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

```
.border{ border-color:rgb(100, 166, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 166, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 166, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 166, 183);  
box-shadow:4px 4px 4px 4px rgb(100, 166,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4390, 33.4007, 49.8005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 166, 183) }
```

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

```
.background{ background-color: rgb(100,  
166, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor