

Converting Colors

XYZ(30.7044, 34.5182, 50.0605)

Have a look what the booklet for
XYZ(30.7044, 34.5182, 50.0605)
contains.

XYZ(30.7248, 34.5590, 49.8509)	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(30.7248, 34.5590,
49.8509)**

Conversions

Conversions Part 1

Format	Color
Hex	80A4B7
RGB	128, 164, 183
RGB Percent	50%, 64%, 72%
CMY	0.4980, 0.3569, 0.2823
CMYK	0.30, 0.10, 0.00, 0.28
HSL	201°, 28%, 61%
HSV	201°, 30%, 72%
XYZ	30.7248, 34.5590, 49.8509
YIQ	155.4020, -27.5550, -1.7230

Conversions

Conversions Part 2

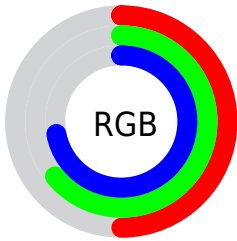
Format	Color
R_{YB}	128, 150, 183
Decimal	8430775
CIE _{Lab}	65.40, -7.73, -13.80
CIE _{LCh}	65, 15.812, 240.748
Yxy	34.5590, 0.2669, 0.3002
Android (android.graphics.Color)	4286620855 (0xFF80A4B7)
YUV	155.4020, 13.6058, -24.0316
Hunter-Lab	58.7869, -9.5846, -9.1267

Details

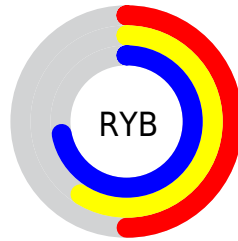
The XYZ color **30.7248, 34.5590, 49.8509** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.8590, 32.4936, 24.9103**, and the grayscale version is **31.2850, 32.9142, 35.8436**.

A 20% lighter version of the original color is **60.2029, 66.8401, 91.3898**, and **12.8840, 14.7778, 23.2924** is the 20% darker color. If you saturate the color by 10%, you get **27.1135, 31.0602, 49.3665**, and if you desaturate by 10%, it is **34.8909, 38.4290, 50.3789**.

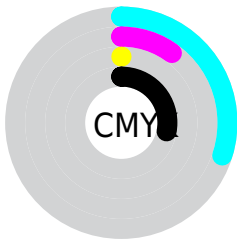
Distribution



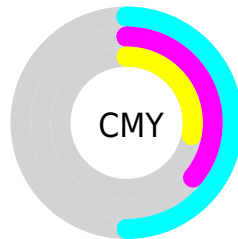
- Red (50%)
- Green (64%)
- Blue (72%)



- Red (50%)
- Yellow (59%)
- Blue (72%)



- Cyan (30%)
- Magenta (10%)
- Yellow (0%)
- Black (28%)



- Cyan (50%)
- Magenta (36%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7248, 34.5590, 49.8509 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 30.7248, 34.5590, 49.8509 by changing the saturation by 10% instead.

■ 30.7248, 34.5590,
49.8509

■ 30.7248, 34.5590,
49.8509

297.1180,
322.6175, 402.8009

■ 20.5402, 23.3234,
34.9246

■ 60.1853, 66.8020,
91.3480

■ 12.8988, 14.8325,
23.3217

■ 80.1919, 88.5782,
118.7558

■ 7.4354, 8.7019,
14.6237

■ 104.2033,
114.6367, 151.1612

■ 3.7846, 4.5472,
8.4120

132.5847,
145.3619, 188.9827

■ 1.5810, 1.9842,
4.2682

165.7015,
181.1381, 232.6389

■ 0.3800, 0.5982,
1.7736

203.9191,

■ 0.0000, 0.0000,

222.3499, 282.5483

0.4105

247.6028,
269.3816, 339.1295

■ 0.0000, 0.0000,
0.0000

■ 30.7248, 34.5590,
49.8509

■ 30.7248, 34.5590,
49.8509

■ 27.1135, 31.0602,
49.3665

■ 34.8909, 38.4290,
50.3789

■ 24.0262, 27.9130,
48.9217

■ 39.6342, 42.6803,
50.9495

■ 21.4341, 25.1021,
48.5158

■ 44.9794, 47.3278,
51.5648

■ 19.3039, 22.6092,
48.1469

■ 50.9491, 52.3841,
52.2261

■ 17.5977, 20.4133,
47.8130

■ 57.5644, 57.8613,
52.9347

■ 16.2710, 18.4904,
47.5117

■ 64.8456, 63.7708,
53.6916

■ 15.2383, 16.8008,
47.2400

■ 72.4049, 69.9139,
54.4789

■ 73.9794, 73.0631,
55.0038

■ 75.6162, 76.3365,
55.5493

Harmonies

Analogous

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



29.1768, 34.5590, 44.5125



30.7248, 34.5590, 49.8509



32.9053, 34.5590, 51.8315

Triad

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



30.7248, 34.5590, 49.8509



37.4906, 34.5590, 37.4632



30.6289, 34.5590, 27.7232

Complementary

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



30.7248, 34.5590, 49.8509



33.8590, 32.4936, 24.9103

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.



32.7894, 34.5590, 26.2912



30.7248, 34.5590, 49.8509



36.8134, 34.5590, 31.4943

Square

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



30.7248, 34.5590, 49.8509



36.8759, 34.5590, 44.1918



35.0654, 34.5590, 27.5881



29.1233, 34.5590, 31.7502

Rectangle

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



30.7248, 34.5590, 49.8509



34.4456, 34.5590, 50.8185



35.0654, 34.5590, 27.5881



31.2992, 34.5590, 26.9450

Sweetspot

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



30.7259, 34.5604, 49.8517



71.8047, 77.1625, 91.3451



31.0506, 40.5426, 33.5201



15.5690, 16.7867, 20.1412



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.



30.7259, 34.5604, 49.8517



50.6879, 57.7229, 88.7058



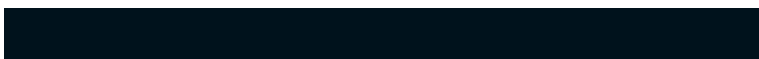
26.4196, 25.9478, 48.4163



8.9985, 9.6741, 11.4725



10.6963, 11.8523, 32.9770



0.4324, 0.5285, 1.1810

Inverse Universe

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



33.9493, 28.1869, 38.7747



57.5104, 44.9515, 65.1005



38.5293, 41.8342, 26.4671



9.2456, 9.1086, 10.6406



16.0127, 7.9788, 13.2194



0.5924, 0.2924, 0.6131

Previews

White Background



This preview shows how the XYZ color 30.7248, 34.5590, 49.8509 looks on a white background.

Color Contrast Check

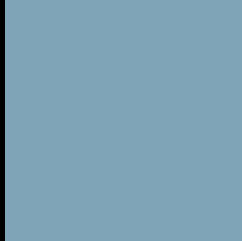
Large Text (above 18pt) WCAG AA × Fail

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 30.7248, 34.5590, 49.8509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

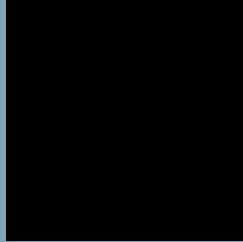
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

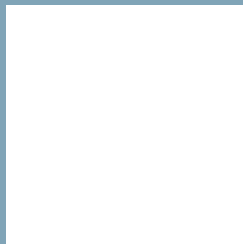
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7248, 34.5590, 49.8509

Background



This preview shows how black text looks on a background with the XYZ color 30.7248, 34.5590, 49.8509.



This preview shows how white text looks on a background with the XYZ color 30.7248, 34.5590,

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

30.7248, 34.5590, 49.8509

Protanopia

33.7112, 34.3372, 47.4988

Deuteranopia

35.1762, 34.5225, 50.7085



Tritanopia

30.2434, 34.6366, 47.2110

Trichromacy



Original Color

30.7248, 34.5590, 49.8509

Protanomaly

32.4861, 34.4566, 48.1186

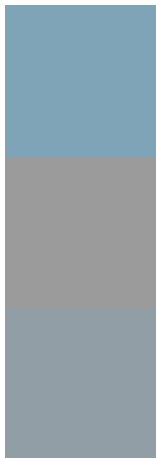
Deuteranomaly

33.2730, 34.3040, 50.2151

Tritanomaly

30.4457, 34.7176, 48.2765

Monochromacy



Original Color

30.7248, 34.5590, 49.8509

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.6954, 33.1901, 40.3858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7248, 34.5590, 49.8509 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(128, 164, 183)` looks like.

```
.text, #text, p{  
    color:rgb(128, 164, 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(128, 164, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 164, 183) }
```

Border

The CSS property to change the border of an element to XYZ 30.7248, 34.5590, 49.8509 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(128, 164, 183) }
```


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

```
.border{ border-color:rgb(128, 164, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 164, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 164, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 164, 183);  
box-shadow:4px 4px 4px 4px rgb(128, 164,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7248, 34.5590, 49.8509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 164, 183) }
```

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

```
.background{ background-color: rgb(128,  
164, 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