

Converting Colors

XYZ(31.4071, 36.4940, 50.6941)

Have a look what the booklet for
XYZ(31.4071, 36.4940, 50.6941)
contains.

XYZ(31.4839, 36.5701, 50.7468)	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(31.4839, 36.5701,
50.7468)**

Conversions

Conversions Part 1

Format	Color
Hex	7DAAB8
RGB	125, 170, 184
RGB Percent	49%, 67%, 72%
CMY	0.5098, 0.3333, 0.2784
CMYK	0.32, 0.08, 0.00, 0.28
HSL	194°, 29%, 61%
HSV	194°, 32%, 72%
XYZ	31.4839, 36.5701, 50.7468
YIQ	158.1410, -31.3140, -5.1860

Conversions

Conversions Part 2

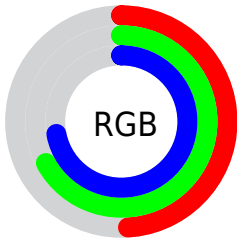
Format	Color
RYB	125, 151, 184
Decimal	8235704
CIELab	66.95, -11.60, -12.04
CIELCh	67, 16.721, 226.066
Yxy	36.5701, 0.2650, 0.3078
Android (android.graphics.Color)	4286425784 (0xFF7DAAB8)
YUV	158.1410, 12.7485, -29.0647
Hunter-Lab	60.4732, -12.8965, -7.4226

Details

The XYZ color **31.4839, 36.5701, 50.7468** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.7020, 30.1367, 23.4963**, and the grayscale version is **32.5184, 34.2119, 37.2567**.

A 20% lighter version of the original color is **61.2438, 69.7254, 92.6685**, and **13.3228, 16.0120, 23.8612** is the 20% darker color. If you saturate the color by 10%, you get **28.2380, 33.7028, 50.3651**, and if you desaturate by 10%, it is **35.2568, 39.7512, 51.1626**.

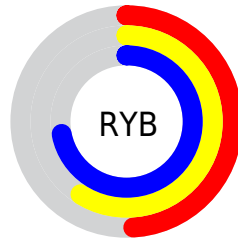
Distribution



Red (49%)

Green (67%)

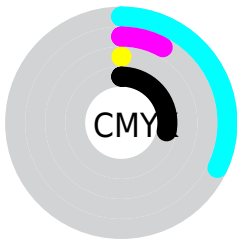
Blue (72%)



Red (49%)

Yellow (59%)

Blue (72%)

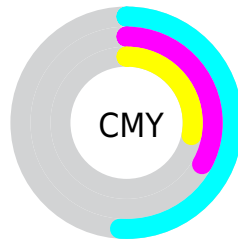


Cyan (32%)

Magenta (8%)

Yellow (0%)

Black (28%)



Cyan (51%)

Magenta (33%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4839, 36.5701, 50.7468 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 31.4839, 36.5701, 50.7468 by changing the saturation by 10% instead.

■ 31.4839, 36.5701,
50.7468

■ 31.4839, 36.5701,
50.7468

300.5487,
331.4455, 406.3977

■ 21.1212, 24.8748,
35.6318

■ 61.3718, 69.9111,
92.6881

■ 13.3256, 15.9838,
23.8625

■ 81.6277, 92.3256,
120.3514

■ 7.7317, 9.5127,
15.0204

■ 105.9122,
119.0820, 153.0346

■ 3.9741, 5.0771,
8.6869

134.5904,
150.5646, 191.1563

■ 1.6875, 2.2926,
4.4435

168.0278,
187.1579, 235.1348

■ 0.4484, 0.7698,
1.8717

206.5898,

■ 0.0000, 0.0000,

229.2462, 285.3889

0.4746

250.6416,
277.2139, 342.3370

■ 0.0000, 0.0000,
0.0000

■ 31.4839, 36.5701,
50.7468

■ 31.4839, 36.5701,
50.7468

■ 28.2380, 33.7028,
50.3651

■ 35.2568, 39.7512,
51.1626

■ 25.4880, 31.1302,
50.0134

■ 39.5791, 43.2553,
51.6111

■ 23.2045, 28.8377,
49.6913

■ 44.4757, 47.0967,
52.0945

■ 21.3536, 26.8074,
49.3970

■ 49.9692, 51.2872,
52.6138

■ 19.8965, 25.0189,
49.1285

■ 56.0807, 55.8382,
53.1701

■ 18.7868, 23.4478,
48.8838

■ 62.8305, 60.7604,
53.7645

■ 18.0804, 22.3179,
48.7029

■ 70.2378, 66.0641,
54.3978

■ 71.7060, 68.3490,
54.7614

■ 72.7645, 70.4660,
55.1143

Harmonies

Analogous

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



30.2801, 36.5701, 43.8102



31.4839, 36.5701, 50.7468



33.5977, 36.5701, 54.9701

Triad

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



31.4839, 36.5701, 50.7468



39.7099, 36.5701, 43.2772



33.4266, 36.5701, 27.8493

Complementary

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



31.4839, 36.5701, 50.7468



32.7020, 30.1367, 23.4963

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.



35.9463, 36.5701, 27.7434



31.4839, 36.5701, 50.7468



39.6586, 36.5701, 36.0772

Square

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



31.4839, 36.5701, 50.7468



38.3902, 36.5701, 50.3159



38.2532, 36.5701, 30.5840



31.3639, 36.5701, 30.8934

Rectangle

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



31.4839, 36.5701, 50.7468



35.2767, 36.5701, 55.3837



38.2532, 36.5701, 30.5840



34.2460, 36.5701, 27.4828

Sweetspot

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



31.4850, 36.5716, 50.7476



73.3493, 79.6842, 93.7193



30.2419, 40.4990, 30.5609



15.5579, 16.9760, 20.1783



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.



31.4850, 36.5716, 50.7476



53.1022, 62.8157, 91.5305



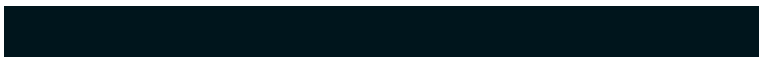
26.5956, 26.7928, 49.1178



9.0812, 9.8397, 11.5001



12.5172, 15.4942, 33.5840



0.4857, 0.6350, 1.1987

Inverse Universe

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



34.3574, 27.7608, 41.5793



59.1864, 44.9124, 71.9401



37.5215, 39.7757, 25.1028



9.2873, 9.1253, 10.8606



16.9318, 8.3465, 18.0595



0.6193, 0.3032, 0.7547

Previews

White Background



This preview shows how the XYZ color 31.4839, 36.5701, 50.7468 looks on a white background.

Color Contrast Check

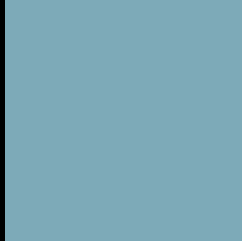
Large Text (above 18pt) WCAG AA × Fail

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 31.4839, 36.5701, 50.7468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

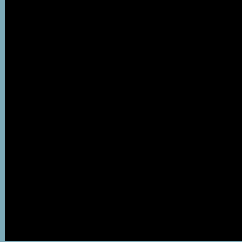
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4839, 36.5701, 50.7468

Background



This preview shows how black text looks on a background with the XYZ color 31.4839, 36.5701, 50.7468.



This preview shows how white text looks on a background with the XYZ color 31.4839, 36.5701,

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

31.4839, 36.5701, 50.7468

Protanopia

35.4787, 36.2812, 47.2525

Deuteranopia

37.0261, 36.2144, 51.4930



Tritanopia

31.4839, 36.5701, 50.7468

Trichromacy



Original Color

31.4839, 36.5701, 50.7468

Protanomaly

33.7264, 36.1421, 48.3786

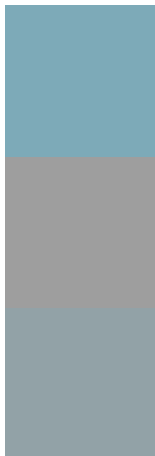
Deuteranomaly

34.6262, 36.0188, 51.0263

Tritanomaly

31.4839, 36.5701, 50.7468

Monochromacy



Original Color

31.4839, 36.5701, 50.7468

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.7494, 34.7417, 41.5917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4839, 36.5701, 50.7468 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(125, 170, 184)` looks like.

```
.text, #text, p{  
    color:rgb(125, 170, 184)  
}
```

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(125, 170, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 170, 184) }
```

Border

The CSS property to change the border of an element to XYZ 31.4839, 36.5701, 50.7468 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(125, 170, 184) }
```


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

```
.border{ border-color:rgb(125, 170, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 170, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 170, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 170, 184);  
box-shadow:4px 4px 4px 4px rgb(125, 170,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4839, 36.5701, 50.7468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 170, 184) }
```

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

```
.background{ background-color: rgb(125,  
170, 184) }
```

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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