

Converting Colors

XYZ(31.0299, 37.0372, 47.1089)

Have a look what the booklet for
XYZ(31.0299, 37.0372, 47.1089)
contains.

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Color

**XYZ(31.0005, 36.9645,
47.0959)**

Conversions

Conversions Part 1

Format	Color
Hex	7CACB1
RGB	124, 172, 177
RGB Percent	49%, 67%, 69%
CMY	0.5137, 0.3255, 0.3059
CMYK	0.30, 0.03, 0.00, 0.31
HSL	186°, 25%, 59%
HSV	186°, 30%, 69%
XYZ	31.0005, 36.9645, 47.0959
YIQ	158.2180, -30.2130, -8.6210

Conversions

Conversions Part 2

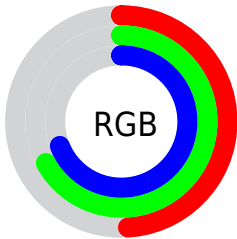
Format	Color
RYB	124, 149, 177
Decimal	8170673
CIELab	67.25, -14.66, -7.72
CIELCh	67, 16.570, 207.762
Yxy	36.9645, 0.2694, 0.3213
Android (android.graphics.Color)	4286360753 (0xFF7CACB1)
YUV	158.2180, 9.2595, -30.0092
Hunter-Lab	60.7984, -15.3819, -3.3685

Details

The XYZ color **31.0005, 36.9645, 47.0959** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.6202, 26.5030, 22.6239**, and the grayscale version is **32.5683, 34.2644, 37.3139**.

A 20% lighter version of the original color is **60.5372, 70.2863, 87.4668**, and **13.1022, 16.3046, 21.5253** is the 20% darker color. If you saturate the color by 10%, you get **28.3532, 35.1321, 46.8824**, and if you desaturate by 10%, it is **34.1131, 39.0446, 47.3340**.

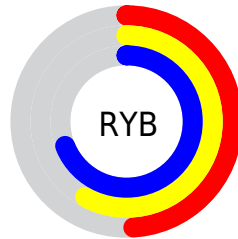
Distribution



Red (49%)

Green (67%)

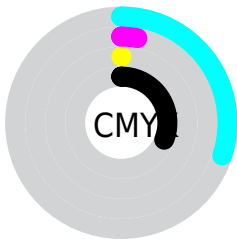
Blue (69%)



Red (49%)

Yellow (58%)

Blue (69%)

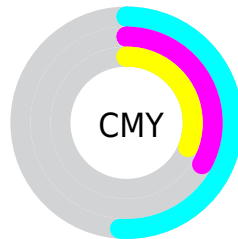


Cyan (30%)

Magenta (3%)

Yellow (0%)

Black (31%)



Cyan (51%)

Magenta (33%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0005, 36.9645, 47.0959 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 31.0005, 36.9645, 47.0959 by changing the saturation by 10% instead.

■ 31.0005, 36.9645,
47.0959

■ 31.0005, 36.9645,
47.0959

298.3675,
333.1568, 391.6020

■ 20.7511, 25.1800,
32.7566

■ 60.6167, 70.5182,
87.2082

■ 13.0536, 16.2112,
21.6705

■ 80.7142, 93.0562,
113.8183

■ 7.5427, 9.6737,
13.4190

■ 104.8250,
119.9474, 145.3558

■ 3.8531, 5.1832,
7.5836

133.3146,
151.5764, 182.2391

■ 1.6194, 2.3551,
3.7457

166.5483,
188.3274, 224.8868

■ 0.4050, 0.8027,
1.4869

204.8914,

■ 0.0000, 0.0000,

230.5849, 273.7176

0.2081

248.7094,
278.7332, 329.1498

■ 0.0000, 0.0000,
0.0000

■ 31.0005, 36.9645,
47.0959

■ 31.0005, 36.9645,
47.0959

■ 28.3532, 35.1321,
46.8824

■ 34.1131, 39.0446,
47.3340

■ 26.1434, 33.5301,
46.6896

■ 37.7105, 41.3796,
47.5951

■ 24.3453, 32.1463,
46.5173

■ 41.8150, 43.9820,
47.8811

■ 22.9290, 30.9652,
46.3640

■ 46.4466, 46.8622,
48.1929

■ 21.8606, 29.9692,
46.2280

■ 51.6242, 50.0298,
48.5314

■ 21.1001, 29.1379,
46.1076

■ 57.3658, 53.4942,
48.8975

■ 20.5635, 28.4277,
45.9988

■ 63.6884, 57.2642,
49.2919

■ 20.5606, 28.4237,
45.9982

■ 66.5995, 59.2815,
49.5278

■ 66.9516, 59.9857,
49.6452

Harmonies

Analogous

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



30.4914, 36.9645, 39.7061



31.0005, 36.9645, 47.0959



32.6008, 36.9645, 53.2264

Triad

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



31.0005, 36.9645, 47.0959



39.4132, 36.9645, 48.1508



35.3241, 36.9645, 27.8650

Complementary

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



31.0005, 36.9645, 47.0959



29.6202, 26.5030, 22.6239

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.



37.7944, 36.9645, 29.5720



31.0005, 36.9645, 47.0959



40.2247, 36.9645, 40.7949

Square

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



31.0005, 36.9645, 47.0959



37.4497, 36.9645, 53.8850



39.6187, 36.9645, 34.0984



32.9151, 36.9645, 29.1310

Rectangle

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



31.0005, 36.9645, 47.0959



34.1120, 36.9645, 55.4644



39.6187, 36.9645, 34.0984



36.1755, 36.9645, 28.1052

Sweetspot

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



31.0016, 36.9660, 47.0967



68.0838, 74.4586, 85.2788



27.9588, 37.2995, 26.2928



14.5419, 15.9998, 18.4662



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.0016, 36.9660, 47.0967



52.2680, 63.9653, 84.0870



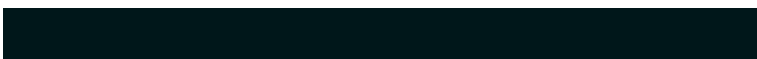
26.5404, 28.0436, 45.6097



8.6728, 9.4918, 10.8813



14.9206, 20.6416, 33.3348



0.4892, 0.6890, 1.0554

Inverse Universe

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



32.7864, 26.7418, 42.4651



56.0338, 42.8289, 74.2165



33.4777, 34.2180, 23.9098



8.8148, 8.6326, 10.5231



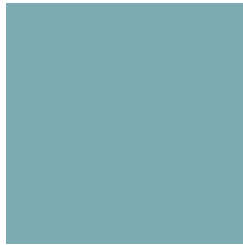
17.7659, 8.6239, 24.9909



0.5690, 0.2753, 0.8388

Previews

White Background



This preview shows how the XYZ color 31.0005, 36.9645, 47.0959 looks on a white background.

Color Contrast Check

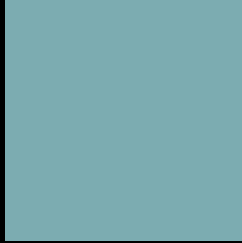
Large Text (above 18pt) WCAG AA × Fail

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 31.0005, 36.9645, 47.0959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

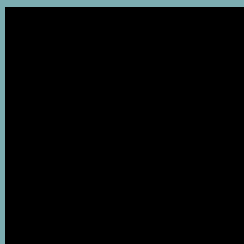
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

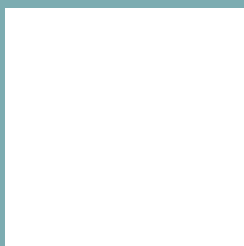
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0005, 36.9645, 47.0959

Background



This preview shows how black text looks on a background with the XYZ color 31.0005, 36.9645, 47.0959.

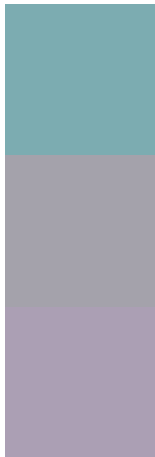


This preview shows how white text looks on a background with the XYZ color 31.0005, 36.9645,

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

31.0005, 36.9645, 47.0959

Protanopia

35.5809, 36.6734, 43.7314

Deuteranopia

37.4309, 36.7495, 48.3006



Tritanopia

31.9241, 37.0642, 51.3705

Trichromacy



Original Color

31.0005, 36.9645, 47.0959

Protanomaly

33.5735, 36.6791, 44.8454

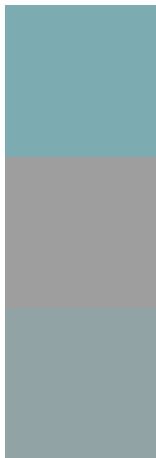
Deuteranomaly

34.7386, 36.6756, 47.8960

Tritanomaly

31.4639, 36.8632, 49.7130

Monochromacy



Original Color

31.0005, 36.9645, 47.0959

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.7428, 35.0220, 40.6842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0005, 36.9645, 47.0959 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(124, 172, 177)` looks like.

```
.text, #text, p{  
    color:rgb(124, 172, 177)  
}
```

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(124, 172, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 172, 177) }
```

Border

The CSS property to change the border of an element to XYZ 31.0005, 36.9645, 47.0959 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(124, 172, 177) }
```


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

```
.border{ border-color:rgb(124, 172, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 172, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 172, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 172, 177);  
box-shadow:4px 4px 4px 4px rgb(124, 172,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0005, 36.9645, 47.0959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 172, 177) }
```

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

```
.background{ background-color: rgb(124,  
172, 177) }
```

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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