

Converting Colors

XYZ(31.6310, 36.8926, 54.1697)

Have a look what the booklet for
XYZ(31.6310, 36.8926, 54.1697)
contains.

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Color

**XYZ(31.6029, 36.8366,
54.1597)**

Conversions

Conversions Part 1

Format	Color
Hex	78ABBE
RGB	120, 171, 190
RGB Percent	47%, 67%, 75%
CMY	0.5294, 0.3294, 0.2549
CMYK	0.37, 0.10, 0.00, 0.25
HSL	196°, 35%, 61%
HSV	196°, 37%, 75%
XYZ	31.6029, 36.8366, 54.1597
YIQ	157.9170, -36.4950, -4.9030

Conversions

Conversions Part 2

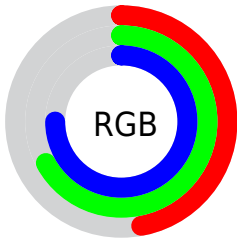
Format	Color
R _{YB}	120, 150, 190
Decimal	7908286
CIE _{Lab}	67.15, -12.03, -15.10
CIE _{LCh}	67, 19.305, 231.443
Yxy	36.8366, 0.2578, 0.3005
Android (android.graphics.Color)	4286098366 (0xFF78ABBE)
YUV	157.9170, 15.8169, -33.2532
Hunter-Lab	60.6932, -13.2682, -10.4224

Details

The XYZ color **31.6029, 36.8366, 54.1597** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.8586, 30.7690, 21.9247**, and the grayscale version is **32.4051, 34.0927, 37.1270**.

A 20% lighter version of the original color is **61.5101, 70.1605, 97.4892**, and **13.4269, 16.1931, 26.0848** is the 20% darker color. If you saturate the color by 10%, you get **28.2698, 33.7012, 53.7308**, and if you desaturate by 10%, it is **35.4991, 40.3204, 54.6274**.

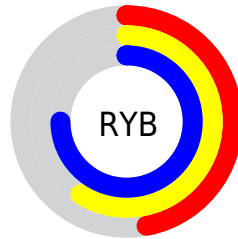
Distribution



Red (47%)

Green (67%)

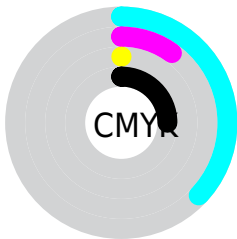
Blue (75%)



Red (47%)

Yellow (59%)

Blue (75%)

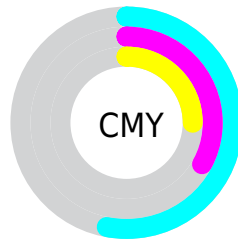


Cyan (37%)

Magenta (10%)

Yellow (0%)

Black (25%)



Cyan (53%)

Magenta (33%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6029, 36.8366, 54.1597 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 31.6029, 36.8366, 54.1597 by changing the saturation by 10% instead.

■ 31.6029, 36.8366,
54.1597

■ 31.6029, 36.8366,
54.1597

301.0839,
332.6025, 419.9105

■ 21.2124, 25.0810,
38.3353

■ 61.5574, 70.3214,
97.7675

■ 13.3927, 16.1374,
25.9392

■ 81.8522, 92.8194,
126.3879

■ 7.7784, 9.6214,
16.5528

■ 106.1792,
119.6670, 160.1108

■ 4.0041, 5.1487,
9.7576

134.9037,
151.2486, 199.3546

■ 1.7044, 2.3348,
5.1350

168.3910,
187.9485, 244.5380

■ 0.4590, 0.7920,
2.2666

207.0066,

■ 0.0000, 0.0000,

230.1512, 296.0794

0.7124

251.1158,
278.2411, 354.3974

■ 0.0000, 0.0000,
0.0000

■ 31.6029, 36.8366,
54.1597

■ 31.6029, 36.8366,
54.1597

■ 28.2698, 33.7012,
53.7308

■ 35.4991, 40.3204,
54.6274

■ 25.4650, 30.8931,
53.3366

■ 39.9839, 44.1639,
55.1329

■ 23.1547, 28.3950,
52.9762

■ 45.0854, 48.3829,
55.6784

■ 21.2997, 26.1862,
52.6476

■ 50.8288, 52.9910,
56.2651

■ 19.8543, 24.2423,
52.3486

■ 57.2377, 58.0012,
56.8944

■ 18.7567, 22.5309,
52.0761

■ 64.3346, 63.4255,
57.5674

■ 18.4452, 22.0193,
51.9938

■ 72.1410, 69.2755,
58.2851

■ 74.1422, 72.1934,
58.7428

■ 75.4541, 74.8172,
59.1801

Harmonies

Analogous

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



30.0059, 36.8366, 46.3282



31.6029, 36.8366, 54.1597



34.1770, 36.8366, 58.3588

Triad

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



31.6029, 36.8366, 54.1597



40.9097, 36.8366, 42.5683



32.9844, 36.8366, 26.8391

Complementary

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



31.6029, 36.8366, 54.1597



33.8586, 30.7690, 21.9247

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.



35.8607, 36.8366, 26.1255



31.6029, 36.8366, 54.1597



40.5463, 36.8366, 34.4725

Square

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



31.6029, 36.8366, 54.1597



39.6250, 36.8366, 51.0790



38.6580, 36.8366, 28.7261



30.7718, 36.8366, 30.8338

Rectangle

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



31.6029, 36.8366, 54.1597



36.1465, 36.8366, 58.1771



38.6580, 36.8366, 28.7261



33.9017, 36.8366, 26.2321

Sweetspot

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



31.6040, 36.8380, 54.1606



77.5505, 84.2746, 100.4584



30.7959, 42.6751, 30.9136



16.7509, 18.2756, 22.0300



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.6040, 36.8380, 54.1606



52.4320, 62.2296, 97.5272



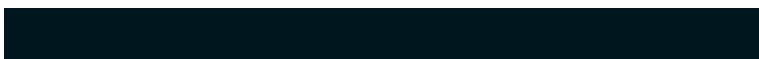
25.8921, 25.4141, 52.2566



9.5836, 10.3596, 12.1667



12.3327, 14.7770, 34.5952



0.5347, 0.6820, 1.3723

Inverse Universe

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



35.3033, 27.3214, 41.9425



60.2743, 43.2153, 71.3651



39.6979, 42.4475, 23.8712



9.8164, 9.6509, 11.4224



17.2257, 8.5214, 17.0141



0.7008, 0.3442, 0.8036

Previews

White Background



This preview shows how the XYZ color 31.6029, 36.8366, 54.1597 looks on a white background.

Color Contrast Check

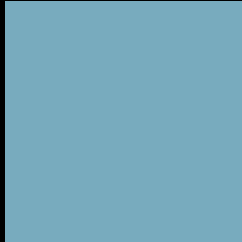
Large Text (above 18pt) WCAG AA × Fail

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 31.6029, 36.8366, 54.1597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

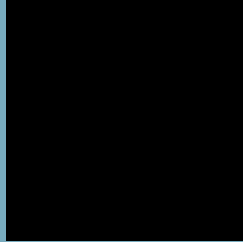
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6029, 36.8366, 54.1597

Background



This preview shows how black text looks on a background with the XYZ color 31.6029, 36.8366, 54.1597.



This preview shows how white text looks on a background with the XYZ color 31.6029, 36.8366,

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

31.6029, 36.8366, 54.1597

Protanopia

35.8701, 36.6723, 50.5353

Deuteranopia

37.3336, 36.5390, 55.5371



Tritanopia

31.2232, 36.9722, 51.9451

Trichromacy



Original Color

31.6029, 36.8366, 54.1597

Protanomaly

33.9951, 36.4752, 51.7031

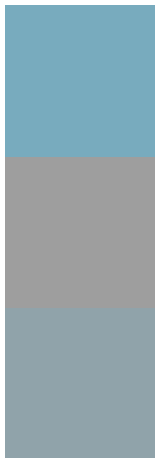
Deuteranomaly

34.8244, 36.2961, 55.0396

Tritanomaly

31.3299, 37.0148, 52.5070

Monochromacy



Original Color

31.6029, 36.8366, 54.1597

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.8545, 35.0260, 43.1120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6029, 36.8366, 54.1597 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(120, 171, 190)` looks like.

```
.text, #text, p{  
    color:rgb(120, 171, 190)  
}
```

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(120, 171, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 171, 190) }
```

Border

The CSS property to change the border of an element to XYZ 31.6029, 36.8366, 54.1597 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(120, 171, 190) }
```


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

```
.border{ border-color:rgb(120, 171, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 171, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 171, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 171, 190);  
box-shadow:4px 4px 4px 4px rgb(120, 171,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6029, 36.8366, 54.1597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 171, 190) }
```

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

```
.background{ background-color: rgb(120,  
171, 190) }
```

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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