

Converting Colors

XYZ(31.2118, 36.3183, 47.2113)

Have a look what the booklet for
XYZ(31.2118, 36.3183, 47.2113)
contains.

XYZ(31.1770, 36.2174, 46.9424)	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(31.1770, 36.2174,
46.9424)**

Conversions

Conversions Part 1

Format	Color
Hex	81A9B1
RGB	129, 169, 177
RGB Percent	51%, 66%, 69%
CMY	0.4941, 0.3372, 0.3059
CMYK	0.27, 0.05, 0.00, 0.31
HSL	190°, 24%, 60%
HSV	190°, 27%, 69%
XYZ	31.1770, 36.2174, 46.9424
YIQ	157.9520, -26.4080, -5.9920

Conversions

Conversions Part 2

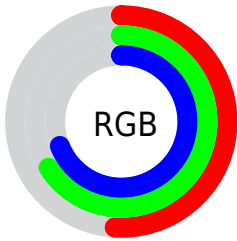
Format	Color
RYB	129, 151, 177
Decimal	8497585
CIELab	66.69, -11.58, -8.53
CIElCh	67, 14.378, 216.375
Yxy	36.2174, 0.2727, 0.3168
Android (android.graphics.Color)	4286687665 (0xFF81A9B1)
YUV	157.9520, 9.3907, -25.3909
Hunter-Lab	60.1809, -12.8438, -4.1209

Details

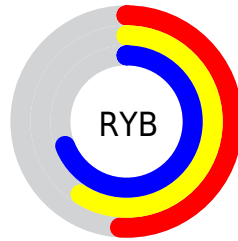
The XYZ color **31.1770, 36.2174, 46.9424** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.0399, 28.8235, 24.6970**, and the grayscale version is **32.4458, 34.1355, 37.1736**.

A 20% lighter version of the original color is **60.8921, 69.2618, 87.2503**, and **13.1413, 15.7975, 21.4254** is the 20% darker color. If you saturate the color by 10%, you get **28.1756, 33.8656, 46.6473**, and if you desaturate by 10%, it is **34.6587, 38.8369, 47.2651**.

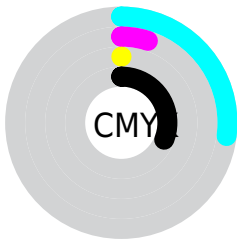
Distribution



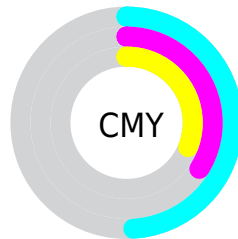
- Red (51%)
- Green (66%)
- Blue (69%)



- Red (51%)
- Yellow (59%)
- Blue (69%)



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)
- Black (31%)



- Cyan (49%)
- Magenta (34%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1770, 36.2174, 46.9424 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 31.1770, 36.2174, 46.9424 by changing the saturation by 10% instead.

■ 31.1770, 36.2174,
46.9424

■ 31.1770, 36.2174,
46.9424

299.1653,
329.9098, 390.9717

■ 20.8862, 24.6021,
32.6361

■ 60.8926, 69.3675,
86.9767

■ 13.1528, 15.7809,
21.5790

■ 81.0480, 91.6711,
113.5418

■ 7.6116, 9.3692,
13.3525

■ 105.2224,
118.3063, 145.0303

■ 3.8971, 4.9828,
7.5382

133.7810,
149.6575, 181.8606

■ 1.6441, 2.2372,
3.7174

167.0892,
186.1090, 224.4514

■ 0.4209, 0.7401,
1.4716

205.5125,

■ 0.0000, 0.0000,

228.0453, 273.2211

0.1966

249.4160,
275.8508, 328.5884

■ 0.0000, 0.0000,
0.0000

■ 31.1770, 36.2174,
46.9424

■ 31.1770, 36.2174,
46.9424

■ 28.1756, 33.8656,
46.6473

■ 34.6587, 38.8369,
47.2651

■ 25.6271, 31.7647,
46.3761

■ 38.6398, 41.7315,
47.6140

■ 23.5064, 29.9025,
46.1284

■ 43.1423, 44.9135,
47.9909

■ 21.7845, 28.2639,
45.9029

■ 48.1859, 48.3931,
48.3967

■ 20.4287, 26.8319,
45.6979

■ 53.7893, 52.1802,
48.8323

■ 19.4010, 25.5867,
45.5117

■ 59.9703, 56.2840,
49.2987

■ 18.6461, 24.4999,
45.3418

■ 66.7458, 60.7133,
49.7965

■ 18.4490, 24.2005,
45.2943

■ 68.1569, 62.3964,
50.0470

■ 68.8137, 63.7098,
50.2659

Harmonies

Analogous

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



30.4470, 36.2174, 40.7743



31.1770, 36.2174, 46.9424



32.7809, 36.2174, 51.4071

Triad

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



31.1770, 36.2174, 46.9424



38.3833, 36.2174, 44.4119



33.9630, 36.2174, 28.7258

Complementary

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



31.1770, 36.2174, 46.9424



31.0399, 28.8235, 24.6970

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.



36.1202, 36.2174, 29.4822



31.1770, 36.2174, 46.9424



38.7321, 36.2174, 38.1245

Square

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



31.1770, 36.2174, 46.9424



36.9539, 36.2174, 49.8423



37.8880, 36.2174, 32.7733



32.0114, 36.2174, 30.5870

Rectangle

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



31.1770, 36.2174, 46.9424



34.1608, 36.2174, 52.5808



37.8880, 36.2174, 32.7733



34.6876, 36.2174, 28.6854

Sweetspot

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



31.1781, 36.2189, 46.9432



68.4333, 74.1875, 85.2081



29.2342, 37.8953, 29.1415



14.5923, 15.9061, 18.4454



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.



31.1781, 36.2189, 46.9432



52.2767, 62.0965, 83.7258



27.2378, 28.3383, 45.6298



8.6198, 9.3857, 10.8636



13.4048, 17.6100, 32.8295



0.4537, 0.6180, 1.0436

Inverse Universe

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



33.1440, 27.9130, 41.1787



56.4986, 44.7776, 71.2297



34.7000, 36.1438, 25.9171



8.7880, 8.6219, 10.3821



17.0008, 8.3179, 20.9618



0.5510, 0.2682, 0.7445

Previews

White Background



This preview shows how the XYZ color 31.1770, 36.2174, 46.9424 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 31.1770, 36.2174, 46.9424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

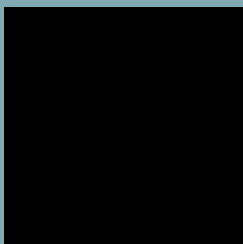
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

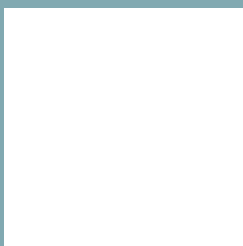
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1770, 36.2174, 46.9424

Background



This preview shows how black text looks on a background with the XYZ color 31.1770, 36.2174, 46.9424.

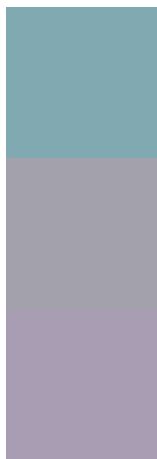


This preview shows how white text looks on a background with the XYZ color 31.1770, 36.2174,

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

31.1770, 36.2174, 46.9424

Protanopia

35.0916, 36.1497, 44.1578

Deuteranopia

36.5558, 35.8036, 47.6319



Tritanopia

31.6521, 36.1285, 49.5612

Trichromacy



Original Color

31.1770, 36.2174, 46.9424

Protanomaly

33.4931, 36.0909, 45.2454

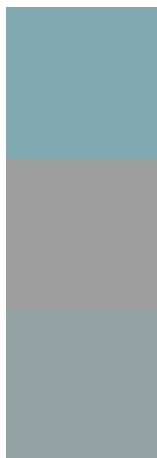
Deuteranomaly

34.1072, 35.5741, 47.1883

Tritanomaly

31.4468, 36.0464, 48.4802

Monochromacy



Original Color

31.1770, 36.2174, 46.9424

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.7445, 34.7603, 40.6336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1770, 36.2174, 46.9424 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(129, 169, 177)` looks like.

```
.text, #text, p{  
    color:rgb(129, 169, 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(129, 169, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 169, 177) }
```

Border

The CSS property to change the border of an element to XYZ 31.1770, 36.2174, 46.9424 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(129, 169, 177) }
```


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

```
.border{ border-color:rgb(129, 169, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 169, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 169, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 169, 177);  
box-shadow:4px 4px 4px 4px rgb(129, 169,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1770, 36.2174, 46.9424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 169, 177) }
```

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

```
.background{ background-color: rgb(129,  
169, 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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