

Converting Colors

XYZ(30.9743, 35.2324, 48.8300)

Have a look what the booklet for
XYZ(30.9743, 35.2324, 48.8300)
contains.

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Color

**XYZ(31.0300, 35.2758,
48.8895)**

Conversions

Conversions Part 1

Format	Color
Hex	81A6B5
RGB	129, 166, 181
RGB Percent	51%, 65%, 71%
CMY	0.4941, 0.3490, 0.2902
CMYK	0.29, 0.08, 0.00, 0.29
HSL	197°, 26%, 61%
HSV	197°, 29%, 71%
XYZ	31.0300, 35.2758, 48.8895
YIQ	156.6470, -26.8670, -3.1790

Conversions

Conversions Part 2

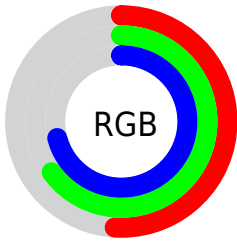
Format	Color
RYB	129, 151, 181
Decimal	8496821
CIELab	65.96, -9.00, -11.83
CIELCh	66, 14.870, 232.736
Yxy	35.2758, 0.2694, 0.3062
Android (android.graphics.Color)	4286686901 (0xFF81A6B5)
YUV	156.6470, 12.0060, -24.2464
Hunter-Lab	59.3934, -10.6815, -7.2290

Details

The XYZ color **31.0300, 35.2758, 48.8895** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.9922, 31.3555, 25.0831**, and the grayscale version is **31.8467, 33.5052, 36.4871**.

A 20% lighter version of the original color is **60.6710, 67.8946, 90.0280**, and **13.0555, 15.2128, 22.6703** is the 20% darker color. If you saturate the color by 10%, you get **27.5908, 32.1233, 48.4629**, and if you desaturate by 10%, it is **34.9969, 38.7592, 49.3534**.

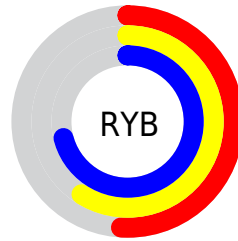
Distribution



Red (51%)

Green (65%)

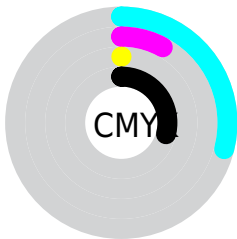
Blue (71%)



Red (51%)

Yellow (59%)

Blue (71%)

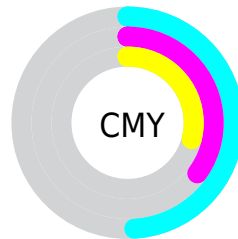


Cyan (29%)

Magenta (8%)

Yellow (0%)

Black (29%)



Cyan (49%)

Magenta (35%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0300, 35.2758, 48.8895 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 31.0300, 35.2758, 48.8895 by changing the saturation by 10% instead.

■ 31.0300, 35.2758,
48.8895

■ 31.0300, 35.2758,
48.8895

298.5009,
325.7840, 398.9171

■ 20.7736, 23.8754,
34.1668

■ 60.6628, 67.9128,
89.9066

■ 13.0702, 15.2412,
22.7434

■ 80.7700, 89.9182,
117.0381

■ 7.5542, 8.9889,
14.2006

■ 104.8915,
116.2274, 149.1430

■ 3.8604, 4.7339,
8.1200

133.3926,
147.2248, 186.6399

■ 1.6235, 2.0920,
4.0830

166.6388,
183.2947, 229.9471

■ 0.4076, 0.6601,
1.6710

204.9953,

■ 0.0000, 0.0000,

224.8217, 279.4834

0.3407

248.8276,
272.1900, 335.6672

■ 0.0000, 0.0000,
0.0000

■ 31.0300, 35.2758,
48.8895

■ 31.0300, 35.2758,
48.8895

■ 27.5908, 32.1233,
48.4629

■ 34.9969, 38.7592,
49.3534

■ 24.6500, 29.2834,
48.0697

■ 39.5125, 42.5826,
49.8534

■ 22.1800, 26.7420,
47.7094

■ 44.6006, 46.7595,
50.3914

■ 20.1493, 24.4823,
47.3802

■ 50.2825, 51.3018,
50.9687

■ 18.5221, 22.4850,
47.0805

■ 56.5785, 56.2203,
51.5862

■ 17.2567, 20.7280,
46.8080

■ 63.5079, 61.5258,
52.2451

■ 16.2803, 19.1729,
46.5593

■ 70.8297, 67.0945,
52.9340

■ 16.1640, 18.9830,
46.5288

■ 72.0799, 69.5948,
53.3508

■ 73.3719, 72.1788,
53.7814

Harmonies

Analogous

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



29.7736, 35.2758, 43.2886



31.0300, 35.2758, 48.8895



32.9962, 35.2758, 51.7358

Triad

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



31.0300, 35.2758, 48.8895



37.9060, 35.2758, 39.9628



31.9188, 35.2758, 28.2770

Complementary

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



31.0300, 35.2758, 48.8895



32.9922, 31.3555, 25.0831

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.



34.0667, 35.2758, 27.5937



31.0300, 35.2758, 48.8895



37.5867, 35.2758, 33.9112

Square

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



31.0300, 35.2758, 48.8895



37.0120, 35.2758, 46.2283



36.1578, 35.2758, 29.5454



30.2709, 35.2758, 31.5259

Rectangle

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



31.0300, 35.2758, 48.8895



34.4706, 35.2758, 51.4910



36.1578, 35.2758, 29.5454



32.6039, 35.2758, 27.7553

Sweetspot

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



31.0311, 35.2772, 48.8903



70.4034, 75.9619, 89.2461



30.5916, 39.7210, 32.3343



14.9535, 16.1980, 19.2606



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.0311, 35.2772, 48.8903



51.8659, 59.8116, 87.1058



26.8117, 26.8384, 47.4838



8.5315, 9.2091, 10.8342



11.2046, 13.2096, 32.0962



0.3996, 0.5097, 1.0256

Inverse Universe

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



33.7901, 28.2784, 39.7553



57.6556, 45.7153, 67.8043



37.3440, 40.0590, 26.5337



8.7435, 8.6041, 10.1475



15.8902, 7.8737, 15.1138



0.5237, 0.2572, 0.6006

Previews

White Background



This preview shows how the XYZ color 31.0300, 35.2758, 48.8895 looks on a white background.

Color Contrast Check

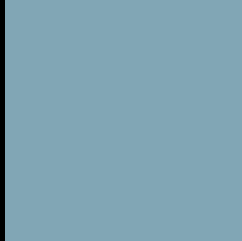
Large Text (above 18pt) WCAG AA × Fail

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 31.0300, 35.2758, 48.8895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

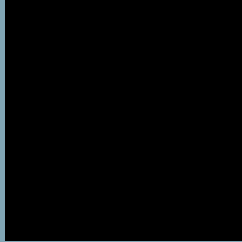
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0300, 35.2758, 48.8895

Background



This preview shows how black text looks on a background with the XYZ color 31.0300, 35.2758, 48.8895.



This preview shows how white text looks on a background with the XYZ color 31.0300, 35.2758,

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

31.0300, 35.2758, 48.8895

Protanopia

34.3352, 35.2000, 46.0589

Deuteranopia

35.7456, 35.0883, 49.6885



Tritanopia

30.9277, 35.2349, 48.3510

Trichromacy



Original Color

31.0300, 35.2758, 48.8895

Protanomaly

32.9888, 35.2581, 47.1863

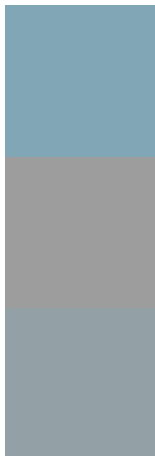
Deuteranomaly

33.7768, 35.0983, 49.2504

Tritanomaly

30.9277, 35.2349, 48.3510

Monochromacy



Original Color

31.0300, 35.2758, 48.8895

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.4864, 34.0978, 40.9984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0300, 35.2758, 48.8895 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, 166, 181)` looks like.

```
.text, #text, p{  
    color:rgb(129, 166, 181)  
}
```

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, 166, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 166, 181) }
```

Border

The CSS property to change the border of an element to XYZ 31.0300, 35.2758, 48.8895 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, 166, 181) }
```


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

```
.border{ border-color:rgb(129, 166, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 166, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 166, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 166, 181);  
box-shadow:4px 4px 4px 4px rgb(129, 166,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0300, 35.2758, 48.8895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 166, 181) }
```

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

```
.background{ background-color: rgb(129,  
166, 181) }
```

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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