

Converting Colors

XYZ(28.3161, 35.7831, 48.4347)

Have a look what the booklet for
XYZ(28.3161, 35.7831, 48.4347)
contains.

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Color

**XYZ(28.3274, 35.8351,
48.6039)**

Conversions

Conversions Part 1

Format	Color
Hex	63ADB4
RGB	99, 173, 180
RGB Percent	39%, 68%, 71%
CMY	0.6118, 0.3216, 0.2941
CMYK	0.45, 0.04, 0.00, 0.29
HSL	185°, 35%, 55%
HSV	185°, 45%, 71%
XYZ	28.3274, 35.8351, 48.6039
YIQ	151.6720, -46.3510, -13.5110

Conversions

Conversions Part 2

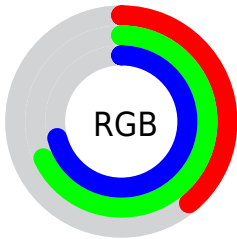
Format	Color
RYB	99, 138, 180
Decimal	6532532
CIELab	66.39, -21.16, -10.79
CIElCh	66, 23.754, 207.022
Yxy	35.8351, 0.2512, 0.3178
Android (android.graphics.Color)	4284722612 (0xFF63ADB4)
YUV	151.6720, 13.9657, -46.1933
Hunter-Lab	59.8624, -20.2916, -6.2354

Details

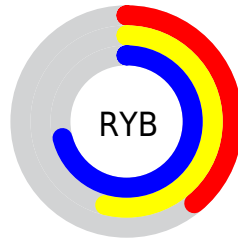
The XYZ color **28.3274, 35.8351, 48.6039** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.2292, 20.9128, 14.4594**, and the grayscale version is **29.6607, 31.2054, 33.9827**.

A 20% lighter version of the original color is **56.4861, 68.9648, 89.6913**, and **11.5021, 15.4575, 22.4560** is the 20% darker color. If you saturate the color by 10%, you get **26.2796, 34.3401, 48.4239**, and if you desaturate by 10%, it is **30.8191, 37.5658, 48.8073**.

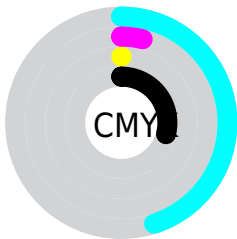
Distribution



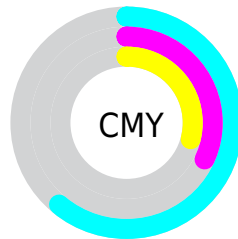
- Red (39%)
- Green (68%)
- Blue (71%)



- Red (39%)
- Yellow (54%)
- Blue (71%)



- Cyan (45%)
- Magenta (4%)
- Yellow (0%)
- Black (29%)



- Cyan (61%)
- Magenta (32%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3274, 35.8351, 48.6039 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 28.3274, 35.8351, 48.6039 by changing the saturation by 10% instead.

■ 28.3274, 35.8351,
48.6039

■ 28.3274, 35.8351,
48.6039

286.0799,
328.2392, 397.7584

■ 18.7143, 24.3069,
33.9420

■ 56.4117, 68.7775,
89.4778

■ 11.5668, 15.5614,
22.5720

■ 75.6137, 90.9604,
116.5268

■ 6.5195, 9.2143,
14.0755

■ 98.7426, 117.4637,
148.5419

■ 3.2071, 4.8813,
8.0338

■ 126.1639,
148.6717, 185.9418

■ 1.2642, 2.1778,
4.0285

158.2430,
184.9689, 229.1448

■ 0.1562, 0.7078,
1.6410

195.3451,

■ 0.0000, 0.0000,

226.7396, 278.5695

0.3198

237.8356,
274.3682, 334.6346

■ 0.0000, 0.0000,
0.0000

■ 28.3274, 35.8351,
48.6039

■ 28.3274, 35.8351,
48.6039

■ 26.2796, 34.3401,
48.4239

■ 30.8191, 37.5658,
48.8073

■ 24.6431, 33.0614,
48.2633

■ 33.7782, 39.5417,
49.0327

■ 23.3857, 31.9833,
48.1215

■ 37.2305, 41.7771,
49.2822

■ 22.4693, 31.0861,
47.9966

■ 41.1988, 44.2837,
49.5569

■ 21.8471, 30.3456,
47.8865

■ 45.7047, 47.0727,
49.8577

■ 21.5943, 30.0073,
47.8345

■ 50.7682, 50.1544,
50.1857

■ 56.4086, 53.5387,
50.5416

■ 62.6442, 57.2352,
50.9265

■ 67.2487, 60.0960,
51.2360

Harmonies

Analogous

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



27.6807, 35.8351, 38.0103



28.3274, 35.8351, 48.6039



30.4739, 35.8351, 57.8490

Triad

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



28.3274, 35.8351, 48.6039



40.1212, 35.8351, 50.6716



34.4165, 35.8351, 22.5538

Complementary

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



28.3274, 35.8351, 48.6039



26.2292, 20.9128, 14.4594

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.



37.9174, 35.8351, 24.7942



28.3274, 35.8351, 48.6039



41.3515, 35.8351, 40.0440

Square

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



28.3274, 35.8351, 48.6039



37.2606, 35.8351, 59.1813



40.5185, 35.8351, 30.7840



31.0485, 35.8351, 24.0501

Rectangle

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



28.3274, 35.8351, 48.6039



32.5483, 35.8351, 61.3685



40.5185, 35.8351, 30.7840



35.6182, 35.8351, 22.8840

Sweetspot

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



28.3285, 35.8365, 48.6047



68.7142, 76.5204, 89.4429



24.0562, 36.3314, 19.3133



14.5315, 16.3346, 19.3092



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.



28.3285, 35.8365, 48.6047



47.6747, 62.2837, 87.8038



21.7380, 22.6556, 46.4079



8.6786, 9.5035, 10.8833



15.0958, 20.9921, 33.3932



0.4932, 0.6970, 1.0568

Inverse Universe

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



30.8280, 21.6451, 42.0898



52.8904, 33.6647, 73.9859



31.3928, 31.2400, 16.1806



8.8177, 8.6338, 10.5386



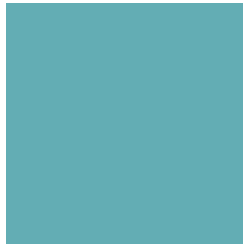
17.8543, 8.6593, 25.4566



0.5710, 0.2761, 0.8495

Previews

White Background



This preview shows how the XYZ color 28.3274, 35.8351, 48.6039 looks on a white background.

Color Contrast Check

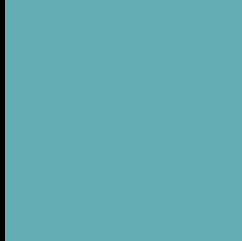
Large Text (above 18pt) WCAG AA × Fail

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 28.3274, 35.8351, 48.6039 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

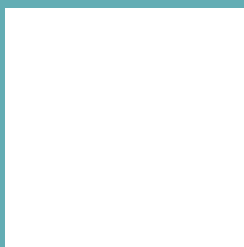
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3274, 35.8351, 48.6039

Background



This preview shows how black text looks on a background with the XYZ color 28.3274, 35.8351, 48.6039.



This preview shows how white text looks on a background with the XYZ color 28.3274, 35.8351,

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

28.3274, 35.8351, 48.6039

Protanopia

34.5144, 35.5938, 44.0809

Deuteranopia

36.2258, 35.5740, 50.3046



Tritanopia

28.9823, 35.8169, 51.8402

Trichromacy



Original Color

28.3274, 35.8351, 48.6039

Protanomaly

31.6742, 35.4087, 45.7226

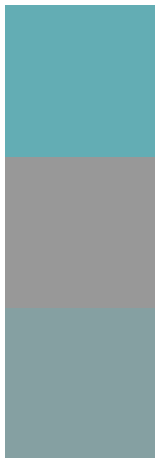
Deuteranomaly

32.6289, 35.2760, 49.8890

Tritanomaly

28.6598, 35.6751, 50.7228

Monochromacy



Original Color

28.3274, 35.8351, 48.6039

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.7653, 32.7368, 38.9852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3274, 35.8351, 48.6039 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(99, 173, 180)` looks like.

```
.text, #text, p{  
    color:rgb(99, 173, 180)  
}
```

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(99, 173, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 173, 180) }
```

Border

The CSS property to change the border of an element to XYZ 28.3274, 35.8351, 48.6039 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(99, 173, 180) }
```


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

```
.border{ border-color:rgb(99, 173, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 173, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 173, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 173, 180);  
box-shadow:4px 4px 4px 4px rgb(99, 173,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3274, 35.8351, 48.6039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 173, 180) }
```

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

```
.background{ background-color: rgb(99, 173,  
180) }
```

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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