

Converting Colors

XYZ(29.7987, 38.8043, 48.0548)

Have a look what the booklet for
XYZ(29.7987, 38.8043, 48.0548)
contains.

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Color

**XYZ(29.7240, 38.6236,
48.0080)**

Conversions

Conversions Part 1

Format	Color
Hex	65B4B2
RGB	101, 180, 178
RGB Percent	40%, 71%, 70%
CMY	0.6039, 0.2941, 0.3020
CMYK	0.44, 0.00, 0.01, 0.29
HSL	178°, 34%, 55%
HSV	178°, 44%, 71%
XYZ	29.7240, 38.6236, 48.0080
YIQ	156.1510, -46.4420, -17.3700

Conversions

Conversions Part 2

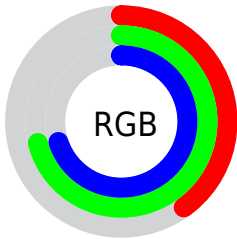
Format	Color
RYB	101, 141, 180
Decimal	6665394
CIELab	68.48, -24.74, -6.57
CIElCh	68, 25.601, 194.875
Yxy	38.6236, 0.2555, 0.3319
Android (android.graphics.Color)	4284855474 (0xFF65B4B2)
YUV	156.1510, 10.7716, -48.3674
Hunter-Lab	62.1479, -23.3861, -2.2968

Details

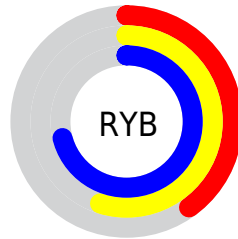
The XYZ color **29.7240, 38.6236, 48.0080** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.9256, 19.9911, 15.3256**, and the grayscale version is **31.6366, 33.2842, 36.2464**.

A 20% lighter version of the original color is **58.5570, 72.9993, 88.8459**, and **12.3297, 17.1949, 22.0711** is the 20% darker color. If you saturate the color by 10%, you get **27.8797, 37.6791, 47.6838**, and if you desaturate by 10%, it is **32.0121, 39.7988, 48.3554**.

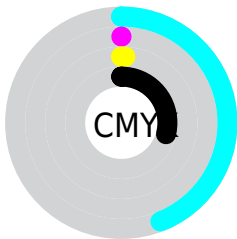
Distribution



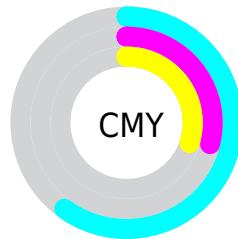
- Red (40%)
- Green (71%)
- Blue (70%)



- Red (40%)
- Yellow (55%)
- Blue (71%)



- Cyan (44%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



- Cyan (60%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7240, 38.6236, 48.0080 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 29.7240, 38.6236, 48.0080 by changing the saturation by 10% instead.

■ 29.7240, 38.6236,
48.0080

■ 29.7240, 38.6236,
48.0080

292.5488,
340.2875, 395.3335

■ 19.7762, 26.4670,
33.4732

■ 58.6151, 73.0630,
88.5820

■ 12.3398, 17.1734,
22.2151

■ 78.2890, 96.1145,
115.4582

■ 7.0494, 10.3582,
13.8152

■ 101.9358,
123.5666, 147.2854

■ 3.5396, 5.6371,
7.8550

■ 129.9207,
155.8035, 184.4820

■ 1.4451, 2.6257,
3.9158

162.6091,
193.2096, 227.4665

■ 0.2880, 0.9396,
1.5793

200.3664,

■ 0.0000, 0.0000,

236.1694, 276.6576

0.2760

243.5578,
285.0673, 332.4737

■ 0.0000, 0.0000,
0.0000

■ 29.7240, 38.6236,
48.0080

■ 29.7240, 38.6236,
48.0080

■ 27.8797, 37.6791,
47.6838

■ 32.0121, 39.7988,
48.3554

■ 26.4468, 36.9456,
47.3789

■ 34.7671, 41.2137,
48.7246

■ 25.3936, 36.4079,
47.0925


■ 38.0145, 42.8825,
49.1177


■ 24.6826, 36.0466,
46.8229


■ 41.7770, 44.8168,
49.5357


■ 24.2688, 35.8385,
46.5680


■ 46.0760, 47.0276,
49.9795

 24.1033, 35.7563,
46.4167

 50.9316, 49.5254,
50.4503

 56.3627, 52.3198,
50.9487

 62.3876, 55.4203,
51.4758

 66.0164, 57.2856,
51.8915

Harmonies

Analogous

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



29.7316, 38.6236, 36.5297



29.7240, 38.6236, 48.0080



31.4923, 38.6236, 59.7214

Triad

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



29.7240, 38.6236, 48.0080



42.4493, 38.6236, 59.8078



38.7682, 38.6236, 24.0741

Complementary

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



29.7240, 38.6236, 48.0080



25.9256, 19.9911, 15.3256

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.



42.4756, 38.6236, 28.2685



29.7240, 38.6236, 48.0080



44.7042, 38.6236, 48.1101

Square

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



29.7240, 38.6236, 48.0080



38.7344, 38.6236, 67.3340



44.7142, 38.6236, 36.6148



34.7585, 38.6236, 24.0569

Rectangle

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



29.7240, 38.6236, 48.0080



33.5201, 38.6236, 65.4965



44.7142, 38.6236, 36.6148



40.0973, 38.6236, 25.0027

Sweetspot

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



29.7251, 38.6251, 48.0089



69.3502, 77.9702, 89.1064



24.3379, 36.5048, 18.0762



14.6915, 16.6992, 19.2245



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.



29.7251, 38.6251, 48.0089



50.5444, 68.3146, 86.4565



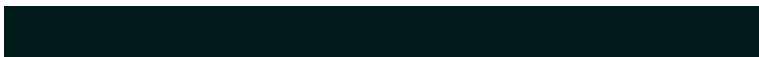
23.4488, 25.7483, 46.9158



8.7332, 9.6278, 10.8545



16.8259, 24.9563, 32.4155



0.5323, 0.7864, 1.0352

Inverse Universe

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



25.9256, 19.9911, 15.3256



42.7372, 30.0042, 19.2838



30.2421, 28.7830, 16.2746



8.5048, 8.5086, 8.8907



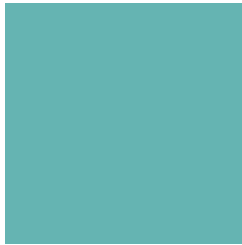
13.1581, 6.7808, 0.7266



0.4169, 0.2145, 0.0380

Previews

White Background



This preview shows how the XYZ color 29.7240, 38.6236, 48.0080 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 29.7240, 38.6236, 48.0080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

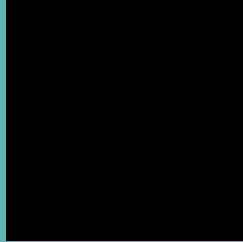
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7240, 38.6236, 48.0080

Background



This preview shows how black text looks on a background with the XYZ color 29.7240, 38.6236, 48.0080.

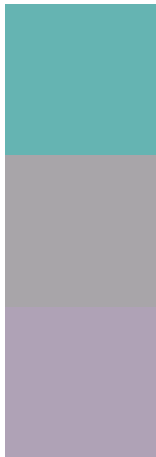


This preview shows how white text looks on a background with the XYZ color 29.7240, 38.6236,

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

29.7240, 38.6236, 48.0080

Protanopia

36.7650, 38.0997, 42.9524

Deuteranopia

39.0430, 38.3320, 49.5970



Tritanopia

31.2605, 38.6498, 55.6817

Trichromacy



Original Color

29.7240, 38.6236, 48.0080

Protanomaly

33.3227, 37.6573, 44.5420

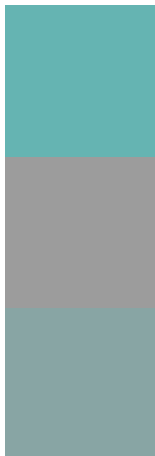
Deuteranomaly

34.7412, 38.0080, 49.2213

Tritanomaly

30.7987, 38.7711, 52.8740

Monochromacy



Original Color

29.7240, 38.6236, 48.0080

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.3093, 34.8248, 40.2464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7240, 38.6236, 48.0080 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(101, 180, 178)` looks like.

```
.text, #text, p{  
    color:rgb(101, 180, 178)  
}
```

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(101, 180, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 180, 178) }
```

Border

The CSS property to change the border of an element to XYZ 29.7240, 38.6236, 48.0080 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(101, 180, 178) }
```


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

```
.border{ border-color:rgb(101, 180, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 180, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 180, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 180, 178);  
box-shadow:4px 4px 4px 4px rgb(101, 180,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7240, 38.6236, 48.0080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 180, 178) }
```

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

```
.background{ background-color: rgb(101,  
180, 178) }
```

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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