

Converting Colors

XYZ(31.3047, 41.2756, 48.4388)

Have a look what the booklet for
XYZ(31.3047, 41.2756, 48.4388)
contains.

XYZ(31.3037, 41.2752, 48.4365)	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(31.3037, 41.2752,
48.4365)**

Conversions

Conversions Part 1

Format	Color
Hex	68BAB2
RGB	104, 186, 178
RGB Percent	41%, 73%, 70%
CMY	0.5921, 0.2706, 0.3020
CMYK	0.44, 0.00, 0.04, 0.27
HSL	174°, 37%, 57%
HSV	174°, 44%, 73%
XYZ	31.3037, 41.2752, 48.4365
YIQ	160.5700, -46.3040, -19.8720

Conversions

Conversions Part 2

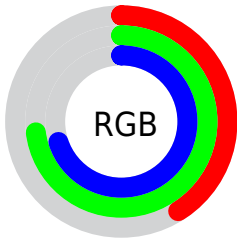
Format	Color
RYB	104, 147, 186
Decimal	6863538
CIELab	70.37, -26.98, -3.76
CIElCh	70, 27.244, 187.941
Yxy	41.2752, 0.2587, 0.3411
Android (android.graphics.Color)	4285053618 (0xFF68BAB2)
YUV	160.5700, 8.5930, -49.6119
Hunter-Lab	64.2458, -25.4561, 0.2718

Details

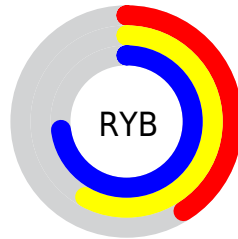
The XYZ color **31.3037, 41.2752, 48.4365** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.1260, 21.5108, 18.0003**, and the grayscale version is **33.6547, 35.4074, 38.5586**.

A 20% lighter version of the original color is **61.1006, 76.9184, 89.4683**, and **13.1252, 18.5875, 22.2980** is the 20% darker color. If you saturate the color by 10%, you get **29.1975, 40.2113, 47.3937**, and if you desaturate by 10%, it is **33.8909, 42.5888, 49.5162**.

Distribution



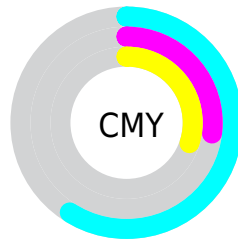
- Red (41%)
- Green (73%)
- Blue (70%)



- Red (41%)
- Yellow (58%)
- Blue (73%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (27%)



- Cyan (59%)
- Magenta (27%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3037, 41.2752, 48.4365 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 31.3037, 41.2752, 48.4365 by changing the saturation by 10% instead.

■ 31.3037, 41.2752,
48.4365

■ 31.3037, 41.2752,
48.4365

299.7370,
351.4695, 397.0782

■ 20.9832, 28.5342,
33.8102

■ 61.0905, 77.1015,
89.2263

■ 13.2241, 18.7287,
22.4717

■ 81.2875, 100.9555,
116.2268

■ 7.6611, 11.4744,
14.0023

■ 105.5073,
129.2827, 148.1893

■ 3.9288, 6.3869,
7.9835

■ 134.1154,
162.4674, 185.5321

■ 1.6620, 3.0817,
3.9968

167.4770,
200.8941, 228.6739

■ 0.4323, 1.1746,
1.6236

205.9576,

■ 0.0000, 0.0408,

244.9470, 278.0331

0.3075

249.9225,
295.0107, 334.0284

■ 0.0000, 0.0000,
0.0000

■ 31.3037, 41.2752,
48.4365

■ 31.3037, 41.2752,
48.4365

■ 29.1975, 40.2113,
47.3937

■ 33.8909, 42.5888,
49.5162

■ 27.5370, 39.3760,
46.3833

■ 36.9843, 44.1620,
50.6314

■ 26.2880, 38.7524,
45.4047


■ 40.6115, 46.0101,
51.7842


■ 25.4095, 38.3196,
44.4559


■ 44.7973, 48.1459,
52.9760


■ 24.8521, 38.0521,
43.5346


■ 49.5647, 50.5813,
54.2077

 24.6137, 37.9408,
42.9997

 54.9356, 53.3275,
55.4804

 60.9305, 56.3951,
56.7953

 67.5694, 59.7944,
58.1532

 68.5751, 60.2894,
59.2604

Harmonies

Analogous

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



31.7774, 41.2752, 36.2997



31.3037, 41.2752, 48.4365



32.8227, 41.2752, 61.8785

Triad

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



31.3037, 41.2752, 48.4365



44.7685, 41.2752, 67.3373



42.5553, 41.2752, 25.7375

Complementary

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



31.3037, 41.2752, 48.4365



28.1260, 21.5108, 18.0003

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.



46.4231, 41.2752, 31.4171



31.3037, 41.2752, 48.4365



47.7671, 41.2752, 54.8568

Square

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



31.3037, 41.2752, 48.4365



40.4329, 41.2752, 74.0667



48.3946, 41.2752, 41.6191



38.0529, 41.2752, 24.6705

Rectangle

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



31.3037, 41.2752, 48.4365



34.8344, 41.2752, 69.2564



48.3946, 41.2752, 41.6191



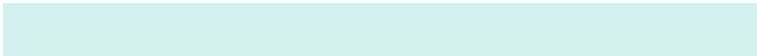
43.9825, 41.2752, 27.1101

Sweetspot

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



31.3049, 41.2768, 48.4375



74.2273, 83.7087, 94.0436



26.7664, 39.5768, 19.3259



16.0011, 18.2582, 20.6061



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.3049, 41.2768, 48.4375



52.9913, 72.9185, 85.9394



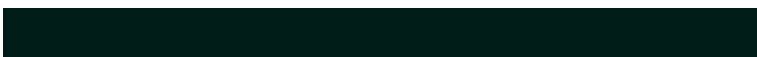
25.9971, 29.3376, 50.7487



9.2279, 10.1951, 11.3574



16.5741, 25.5306, 29.0089



0.5953, 0.9044, 1.0807

Inverse Universe

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



28.1260, 21.5108, 18.0003



46.4960, 32.4404, 23.6807



31.6671, 29.2745, 17.0791



9.0393, 9.0261, 9.5542



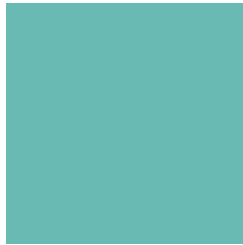
13.7109, 7.0581, 1.0984



0.4953, 0.2536, 0.1014

Previews

White Background



This preview shows how the XYZ color 31.3037, 41.2752, 48.4365 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 31.3037, 41.2752, 48.4365 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

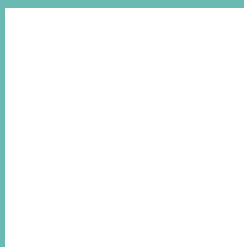
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3037, 41.2752, 48.4365

Background



This preview shows how black text looks on a background with the XYZ color 31.3037, 41.2752, 48.4365.

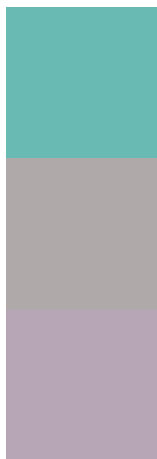


This preview shows how white text looks on a background with the XYZ color 31.3037, 41.2752,

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

31.3037, 41.2752, 48.4365

Protanopia

39.2154, 40.7280, 43.3305

Deuteranopia

41.6082, 40.7171, 49.9222



Tritanopia

33.5569, 41.2592, 59.6213

Trichromacy



Original Color

31.3037, 41.2752, 48.4365

Protanomaly

35.3662, 40.4188, 44.9673

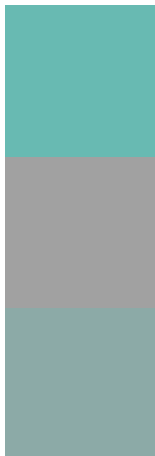
Deuteranomaly

36.6105, 40.0934, 49.5253

Tritanomaly

32.7288, 41.2307, 55.5235

Monochromacy



Original Color

31.3037, 41.2752, 48.4365

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.1650, 37.1149, 42.0278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3037, 41.2752, 48.4365 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(104, 186, 178)` looks like.

```
.text, #text, p{  
    color:rgb(104, 186, 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(104, 186, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 186, 178) }
```

Border

The CSS property to change the border of an element to XYZ 31.3037, 41.2752, 48.4365 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(104, 186, 178) }
```


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

```
.border{ border-color:rgb(104, 186, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 186, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 186, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 186, 178);  
box-shadow:4px 4px 4px 4px rgb(104, 186,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3037, 41.2752, 48.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 186, 178) }
```

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

```
.background{ background-color: rgb(104,  
186, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor