

Converting Colors

XYZ(37.2883, 51.5743, 54.6726)

Have a look what the booklet for
XYZ(37.2883, 51.5743, 54.6726)
contains.

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Color

**XYZ(37.3627, 51.7211,
54.4683)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6AD0BA |
| RGB | 106, 208, 186 |
| RGB Percent | 42%, 82%, 73% |
| CMY | 0.5843, 0.1843, 0.2706 |
| CMYK | 0.49, 0.00, 0.11, 0.18 |
| HSL | 167°, 52%, 62% |
| HSV | 167°, 49%, 82% |
| XYZ | 37.3627, 51.7211, 54.4683 |
| YIQ | 174.9940, -53.7300, -28.4660 |

Conversions

Conversions Part 2

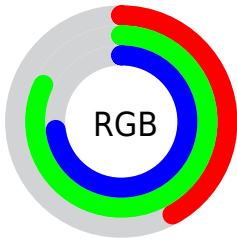
| Format | Color |
|-------------------------------------|--|
| RYB | 106, 163, 208 |
| Decimal | 7000250 |
| CIELab | 77.11, -35.08, 1.77 |
| CIELCh | 77, 35.126, 177.104 |
| Yxy | 51.7211, 0.2603, 0.3603 |
| Android (android.graphics.Color) | 4285190330 (0xFF6AD0BA) |
| YUV | 174.9940, 5.4260, -60.5077 |
| Hunter-Lab | 71.9174, -33.1207, 5.4375 |

Details

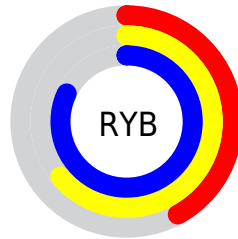
The XYZ color **37.3627, 51.7211, 54.4683** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.0646, 25.2780, 23.4552**, and the grayscale version is **40.7385, 42.8601, 46.6746**.

A 20% lighter version of the original color is **66.8913, 85.7173, 97.0240**, and **16.7071, 25.0338, 26.1418** is the 20% darker color. If you saturate the color by 10%, you get **34.7150, 50.4117, 51.8943**, and if you desaturate by 10%, it is **40.6278, 53.3496, 57.1517**.

Distribution



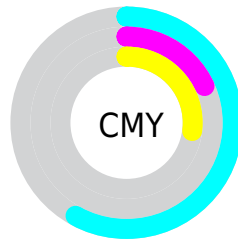
- Red (42%)
- Green (82%)
- Blue (73%)



- Red (42%)
- Yellow (64%)
- Blue (82%)



- Cyan (49%)
- Magenta (0%)
- Yellow (11%)
- Black (18%)





- Cyan (58%)
- Magenta (18%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3627, 51.7211, 54.4683 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 37.3627, 51.7211, 54.4683 by changing the saturation by 10% instead.


 37.3627, 51.7211,
54.4683


 37.3627, 51.7211,
54.4683


326.2065,
393.3590, 421.1183


 25.6634, 36.7828,
38.5805


 70.4405, 92.7198,
98.2248


 16.7034, 25.0394,
26.1282


 92.5497, 119.5490,
126.9306

 10.1172, 16.1064,
16.6929

 118.8595,
151.1106, 160.7461

 5.5396, 9.5995,
9.8562

 149.7355,
187.7891, 200.0898

 2.6052, 5.1342,
5.1993

185.5427,
229.9687, 245.3804

 0.9486, 2.3262,
2.3039

226.6468,

 0.0000, 0.7875,

278.0340, 297.0363

0.7334

273.4129,
332.3693, 355.4761

■ 0.0000, 0.0000,
0.0000

■ 37.3627, 51.7211,
54.4683

■ 37.3627, 51.7211,
54.4683

■ 34.7150, 50.4117,
51.8943

■ 40.6278, 53.3496,
57.1517

■ 32.6360, 49.3925,
49.4232

■ 44.5456, 55.3116,
59.9434

■ 31.0770, 48.6396,
47.0532


■ 49.1541, 57.6279,
62.8470


■ 29.9785, 48.1225,
44.7809


■ 54.4869, 60.3158,
65.8648


■ 29.2437, 47.7912,
42.6009


■ 60.5756, 63.3915,
68.9989

 29.1798, 47.7627,
42.3953

 67.4496, 66.8703,
72.2514

 75.1369, 70.7666,
75.6241

 76.9676, 71.6418,
78.8057

 77.5768, 71.8855,
82.0136

Harmonies

Analogous

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



39.0988, 51.7211, 38.5304



37.3627, 51.7211, 54.4683



38.5416, 51.7211, 74.8913

Triad

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



37.3627, 51.7211, 54.4683



55.2774, 51.7211, 96.0459



56.5079, 51.7211, 30.6307

Complementary

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



37.3627, 51.7211, 54.4683



35.0646, 25.2780, 23.4552

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.



61.5673, 51.7211, 41.0973



37.3627, 51.7211, 54.4683



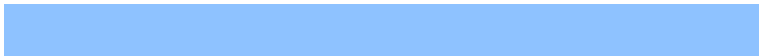
60.8127, 51.7211, 78.8720

Square

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



37.3627, 51.7211, 54.4683



48.5101, 51.7211, 101.8877



63.2094, 51.7211, 58.2040



49.8144, 51.7211, 26.8774

Rectangle

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



37.3627, 51.7211, 54.4683



40.8869, 51.7211, 87.9679



63.2094, 51.7211, 58.2040



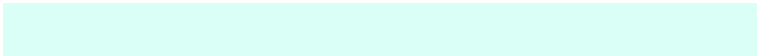
58.4786, 51.7211, 33.3442

Sweetspot

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



37.3642, 51.7231, 54.4695



81.0508, 92.9334, 101.4590



34.0762, 50.7514, 21.6368



16.9741, 19.7031, 21.4998



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.3642, 51.7231, 54.4695



54.7912, 79.7994, 82.0072



33.4708, 39.9004, 65.6143



12.0446, 13.3616, 14.5914



18.2227, 29.7820, 26.6166



1.0467, 1.6764, 1.6348

Inverse Universe

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



35.0646, 25.2780, 23.4552



50.7614, 33.0780, 27.3774



37.2657, 31.7522, 17.8014



11.9116, 11.8494, 12.8104



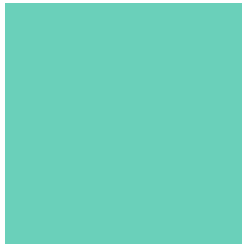
16.5355, 8.4870, 2.4601



0.9547, 0.4866, 0.2963

Previews

White Background



This preview shows how the XYZ color 37.3627, 51.7211, 54.4683 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 37.3627, 51.7211, 54.4683 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

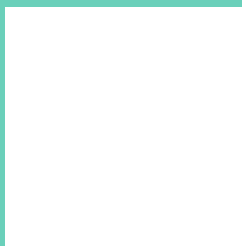
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3627, 51.7211, 54.4683

Background



This preview shows how black text looks on a background with the XYZ color 37.3627, 51.7211, 54.4683.



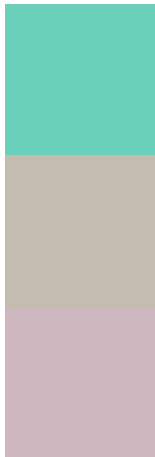
This preview shows how white text looks on a background with the XYZ color 37.3627, 51.7211,

54.4683.

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

37.3627, 51.7211, 54.4683

Protanopia

48.7004, 51.2261, 47.8783

Deuteranopia

51.7911, 50.7504, 56.3563



Tritanopia

41.4767, 51.5922, 75.4824

Trichromacy



Original Color

37.3627, 51.7211, 54.4683



Protanomaly

42.9809, 50.5211, 50.1340



Deuteranomaly

44.6125, 49.9194, 55.4282



Tritanomaly

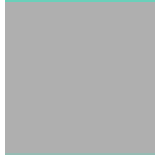
39.8986, 51.6615, 67.5433

Monochromacy



Original Color

37.3627, 51.7211, 54.4683



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.4847, 45.2794, 49.3593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3627, 51.7211, 54.4683 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(106, 208, 186)` looks like.

```
.text, #text, p{  
    color:rgb(106, 208, 186)  
}
```

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(106, 208, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 208, 186) }
```

Border

The CSS property to change the border of an element to XYZ 37.3627, 51.7211, 54.4683 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(106, 208, 186) }
```


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

```
.border{ border-color:rgb(106, 208, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 208, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 208, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 208, 186);  
box-shadow:4px 4px 4px 4px rgb(106, 208,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3627, 51.7211, 54.4683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 208, 186) }
```

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

```
.background{ background-color: rgb(106,  
208, 186) }
```

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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