

Converting Colors

XYZ(37.1702, 48.2508, 51.8869)

Have a look what the booklet for
XYZ(37.1702, 48.2508, 51.8869)
contains.

XYZ(37.1988, 48.1670, 52.1363)	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(37.1988, 48.1670,
52.1363)**

Conversions

Conversions Part 1

Format	Color
Hex	7DC6B7
RGB	125, 198, 183
RGB Percent	49%, 78%, 72%
CMY	0.5098, 0.2235, 0.2823
CMYK	0.37, 0.00, 0.08, 0.22
HSL	168°, 39%, 63%
HSV	168°, 37%, 78%
XYZ	37.1988, 48.1670, 52.1363
YIQ	174.4630, -38.6930, -20.1410

Conversions

Conversions Part 2

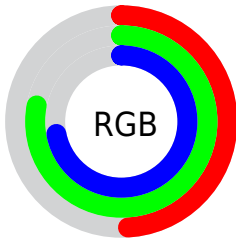
Format	Color
R _Y B	125, 166, 198
Decimal	8242871
CIE Lab	74.93, -26.20, 0.31
CIE LCh	75, 26.207, 179.325
Yxy	48.1670, 0.2705, 0.3503
Android (android.graphics.Color)	4286432951 (0xFF7DC6B7)
YUV	174.4630, 4.2087, -43.3791
Hunter-Lab	69.4024, -25.7806, 4.0421

Details

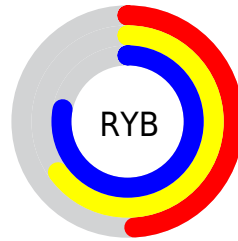
The XYZ color **37.1988, 48.1670, 52.1363** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.3576, 28.5679, 28.4635**, and the grayscale version is **40.4647, 42.5720, 46.3609**.

A 20% lighter version of the original color is **70.1624, 87.4553, 94.8440**, and **16.6011, 22.8978, 24.6638** is the 20% darker color. If you saturate the color by 10%, you get **34.1743, 46.6573, 49.8165**, and if you desaturate by 10%, it is **40.8145, 49.9826, 54.5498**.

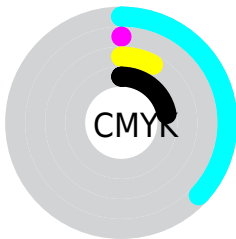
Distribution



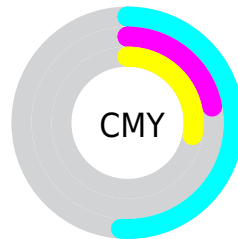
- Red (49%)
- Green (78%)
- Blue (72%)



- Red (49%)
- Yellow (65%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)





- Cyan (51%)
- Magenta (22%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1988, 48.1670, 52.1363 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 37.1988, 48.1670, 52.1363 by changing the saturation by 10% instead.


 37.1988, 48.1670,
52.1363


 37.1988, 48.1670,
52.1363


325.5110,
379.4537, 411.9345


 25.5358, 33.9592,
36.7307


 70.1903, 87.4530,
94.7608

 16.6076, 22.8622,
24.7049

 92.2495, 113.2999,
122.8169

 10.0487, 14.4918,
15.6403

 118.5049,
143.7954, 155.9269

 5.4937, 8.4635,
9.1184

149.3217,
179.3237, 194.5093

 2.5775, 4.3929,
4.7206

185.0654,
220.2693, 238.9828

 0.9345, 1.8957,
2.0284

226.1013,

 0.0000, 0.5458,

267.0166, 289.7658

0.5727

272.7947,
319.9499, 347.2768

■ 0.0000, 0.0000,
0.0000

■ 37.1988, 48.1670,
52.1363

■ 37.1988, 48.1670,
52.1363

■ 34.1743, 46.6573,
49.8165

■ 40.8145, 49.9826,
54.5498

■ 31.7023, 45.4297,
47.5850

■ 45.0490, 52.1144,
57.0556

■ 29.7460, 44.4667,
45.4404


■ 49.9330, 54.5797,
59.6568


■ 28.2623, 43.7459,
43.3803


■ 55.4939, 57.3925,
62.3551

■ 27.2010, 43.2414,
41.4017


■ 61.7578, 60.5662,
65.1524


 26.4947, 42.9187,
39.5009

 68.7490, 64.1134,
68.0502

 26.3074, 42.8348,
38.9197

 73.2537, 66.3773,
70.8986

 73.7720, 66.5846,
73.6279

 74.3033, 66.7971,
76.4259

Harmonies

Analogous

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



38.3284, 48.1670, 40.1396



37.1988, 48.1670, 52.1363



38.2324, 48.1670, 66.4099

Triad

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



37.1988, 48.1670, 52.1363



50.4278, 48.1670, 78.8803



50.6280, 48.1670, 32.9216

Complementary

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



37.1988, 48.1670, 52.1363



35.3576, 28.5679, 28.4635

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.



54.2637, 48.1670, 40.5905



37.1988, 48.1670, 52.1363



54.1426, 48.1670, 67.0403

Square

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



37.1988, 48.1670, 52.1363



45.6731, 48.1670, 83.3851



55.5917, 48.1670, 52.7563



45.8896, 48.1670, 30.2978

Rectangle

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



37.1988, 48.1670, 52.1363



40.0529, 48.1670, 75.0281



55.5917, 48.1670, 52.7563



52.0314, 48.1670, 34.9209

Sweetspot

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



37.2002, 48.1689, 52.1374



84.5584, 94.6970, 103.6369



34.8506, 47.5175, 26.7380



17.8442, 20.1405, 22.0469



0.0000, 0.0000, 0.0000



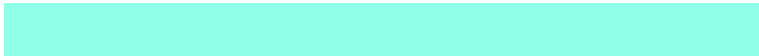
20.3446, 21.4041, 23.3091

Same Dimension

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



37.2002, 48.1689, 52.1374



61.6104, 83.1647, 89.1060



34.4368, 40.0085, 59.3356



10.8497, 12.0288, 13.1588



17.1393, 27.8681, 25.4758



0.8358, 1.3293, 1.3341

Inverse Universe

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



35.3576, 28.5679, 28.4635



57.9024, 43.5929, 41.3705



37.2221, 33.9482, 23.9939



10.7215, 10.6720, 11.5169



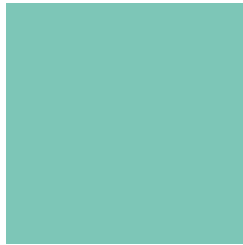
15.4274, 7.9205, 2.1944



0.7573, 0.3858, 0.2452

Previews

White Background



This preview shows how the XYZ color 37.1988, 48.1670, 52.1363 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 37.1988, 48.1670, 52.1363 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

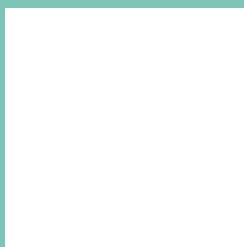
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1988, 48.1670, 52.1363

Background



This preview shows how black text looks on a background with the XYZ color 37.1988, 48.1670, 52.1363.

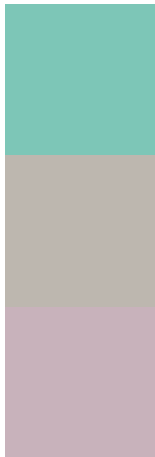


This preview shows how white text looks on a background with the XYZ color 37.1988, 48.1670,

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

37.1988, 48.1670, 52.1363

Protanopia

45.6576, 47.7809, 47.3737

Deuteranopia

48.7095, 47.7080, 53.6550



Tritanopia

40.4404, 48.1422, 68.1337

Trichromacy



Original Color

37.1988, 48.1670, 52.1363

Protanomaly

41.7450, 47.2878, 49.0467

Deuteranomaly

43.4455, 47.1273, 53.2610

Tritanomaly

38.9937, 47.8675, 61.8277

Monochromacy



Original Color

37.1988, 48.1670, 52.1363

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.5796, 44.1092, 48.0755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1988, 48.1670, 52.1363 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(125, 198, 183)` looks like.

```
.text, #text, p{  
    color:rgb(125, 198, 183)  
}
```

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(125, 198, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 198, 183) }
```

Border

The CSS property to change the border of an element to XYZ 37.1988, 48.1670, 52.1363 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(125, 198, 183) }
```


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

```
.border{ border-color:rgb(125, 198, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 198, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 198, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 198, 183);  
box-shadow:4px 4px 4px 4px rgb(125, 198,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1988, 48.1670, 52.1363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 198, 183) }
```

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

```
.background{ background-color: rgb(125,  
198, 183) }
```

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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