

Converting Colors

XYZ(37.9228, 46.1792, 56.3501)

Have a look what the booklet for
XYZ(37.9228, 46.1792, 56.3501)
contains.

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Color

**XYZ(37.8663, 46.0915,
56.1910)**

Conversions

Conversions Part 1

Format	Color
Hex	86BFBF
RGB	134, 191, 191
RGB Percent	53%, 75%, 75%
CMY	0.4745, 0.2510, 0.2510
CMYK	0.30, 0.00, 0.00, 0.25
HSL	180°, 31%, 64%
HSV	180°, 30%, 75%
XYZ	37.8663, 46.0915, 56.1910
YIQ	173.9570, -33.9720, -12.0840

Conversions

Conversions Part 2

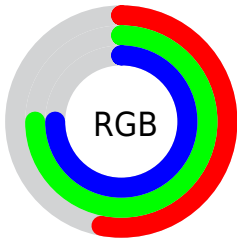
Format	Color
RYB	134, 163, 191
Decimal	8830911
CIELab	73.60, -18.32, -5.93
CIElCh	74, 19.254, 197.942
Yxy	46.0915, 0.2702, 0.3289
Android (android.graphics.Color)	4287020991 (0xFF86BFBF)
YUV	173.9570, 8.4022, -35.0423
Hunter-Lab	67.8907, -19.2497, -1.5490

Details

The XYZ color **37.8663, 46.0915, 56.1910** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.3157, 29.8492, 26.5089**, and the grayscale version is **40.1818, 42.2744, 46.0368**.

A 20% lighter version of the original color is **71.0355, 84.0557, 100.4761**, and **16.9264, 21.4756, 27.2978** is the 20% darker color. If you saturate the color by 10%, you get **35.0930, 44.6630, 56.0618**, and if you desaturate by 10%, it is **41.1921, 47.8072, 56.3481**.

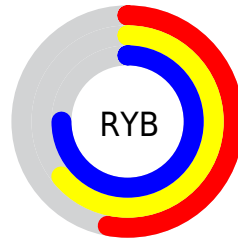
Distribution



Red (53%)

Green (75%)

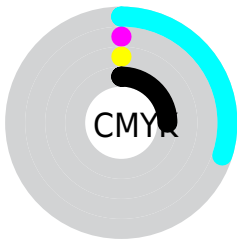
Blue (75%)



Red (53%)

Yellow (64%)

Blue (75%)

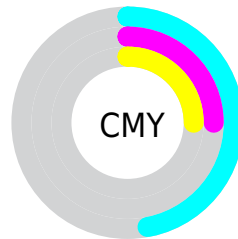


Cyan (30%)

Magenta (0%)

Yellow (0%)

Black (25%)



Cyan (47%)

Magenta (25%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8663, 46.0915, 56.1910 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 37.8663, 46.0915, 56.1910 by changing the saturation by 10% instead.

■ 37.8663, 46.0915,
56.1910

■ 37.8663, 46.0915,
56.1910

328.3369,
371.1764, 427.8194

■ 26.0557, 32.3180,
39.9511

■ 71.2084, 84.3559,
100.7724

■ 16.9982, 21.6045,
27.1869

■ 93.4706, 109.6157,
129.9509

■ 10.3285, 13.5666,
17.4800

■ 119.9473,
139.4729, 164.2793

■ 5.6812, 7.8199,
10.4117

151.0040,
174.3122, 204.1762

■ 2.6910, 3.9799,
5.5636

187.0059,
214.5177, 250.0601

■ 0.9926, 1.6623,
2.5171

228.3184,

■ 0.0000, 0.3991,

260.4740, 302.3496

0.8492

275.3070,
312.5654, 361.4632

■ 0.0000, 0.0000,
0.0000

■ 37.8663, 46.0915,
56.1910

■ 37.8663, 46.0915,
56.1910

■ 35.0930, 44.6630,
56.0618

■ 41.1921, 47.8072,
56.3481

■ 32.8386, 43.5008,
55.9559

■ 45.0938, 49.8186,
56.5311

■ 31.0720, 42.5901,
55.8728

■ 49.5983, 52.1407,
56.7423

■ 29.7572, 41.9123,
55.8108

■ 54.7296, 54.7860,
56.9829

■ 28.8532, 41.4463,
55.7681

■ 60.5104, 57.7661,
57.2538

■ 28.3116, 41.1671,
55.7423

■ 66.9624, 61.0922,
57.5562

■ 28.0389, 41.0265,
55.7291

■ 69.2763, 62.2850,
57.6649

■ 28.0351, 41.0246,
55.7290

■ 69.2763, 62.2850,
57.6653

■ 69.2764, 62.2851,
57.6657

Harmonies

Analogous

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



37.7086, 46.0915, 46.3672



37.8663, 46.0915, 56.1910



39.5646, 46.0915, 65.4465

Triad

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



37.8663, 46.0915, 56.1910



48.8554, 46.0915, 63.8341



45.1916, 46.0915, 33.9814

Complementary

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



37.8663, 46.0915, 56.1910



34.3157, 29.8492, 26.5089

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.



48.3458, 46.0915, 37.5034



37.8663, 46.0915, 56.1910



50.5334, 46.0915, 54.2085

Square

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



37.8663, 46.0915, 56.1910



45.8581, 46.0915, 70.2377



50.3421, 46.0915, 44.6245



41.8211, 46.0915, 34.3673

Rectangle

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



37.8663, 46.0915, 56.1910



41.3939, 46.0915, 69.6626



50.3421, 46.0915, 44.6245



46.3154, 46.0915, 34.7266

Sweetspot

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



37.8677, 46.0933, 56.1921



81.2893, 89.4946, 101.2682



32.9189, 44.1314, 29.3385



17.6072, 19.5268, 22.2262



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



37.8677, 46.0933, 56.1921



64.3704, 80.7726, 100.4744



32.4141, 35.1859, 54.3754



9.8086, 10.8096, 12.2416



18.4236, 26.9597, 36.6229



0.7217, 1.0560, 1.4346

Inverse Universe

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



34.3157, 29.8492, 26.5089



56.9582, 46.8746, 38.5323



38.6318, 38.4816, 27.9469



9.5302, 9.5364, 9.9151



14.1203, 7.2793, 0.6610



0.5531, 0.2851, 0.0259

Previews

White Background



This preview shows how the XYZ color 37.8663, 46.0915, 56.1910 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 37.8663, 46.0915, 56.1910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

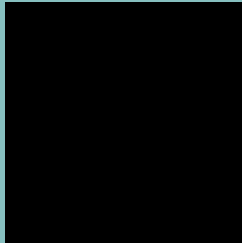
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8663, 46.0915, 56.1910

Background



This preview shows how black text looks on a background with the XYZ color 37.8663, 46.0915, 56.1910.

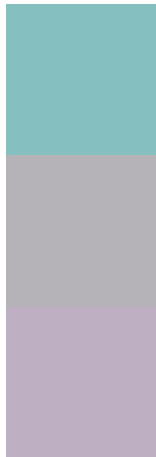


This preview shows how white text looks on a background with the XYZ color 37.8663, 46.0915,

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

37.8663, 46.0915, 56.1910

Protanopia

44.0632, 45.6460, 51.8356

Deuteranopia

46.5534, 45.6314, 57.3930



Tritanopia

39.4132, 46.0732, 63.9425

Trichromacy



Original Color

37.8663, 46.0915, 56.1910

Protanomaly

41.4202, 45.4542, 53.6042

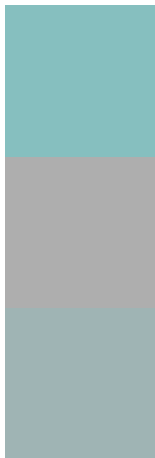
Deuteranomaly

42.7271, 45.4441, 56.9717

Tritanomaly

38.8756, 46.1847, 60.8984

Monochromacy



Original Color

37.8663, 46.0915, 56.1910

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.8576, 43.3087, 49.4914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8663, 46.0915, 56.1910 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(134, 191, 191)` looks like.

```
.text, #text, p{  
    color:rgb(134, 191, 191)  
}
```

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(134, 191, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 191, 191) }
```

Border

The CSS property to change the border of an element to XYZ 37.8663, 46.0915, 56.1910 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(134, 191, 191) }
```


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

```
.border{ border-color:rgb(134, 191, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 191, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 191, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 191, 191);  
box-shadow:4px 4px 4px 4px rgb(134, 191,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8663, 46.0915, 56.1910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 191, 191) }
```

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

```
.background{ background-color: rgb(134,  
191, 191) }
```

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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