

Converting Colors

XYZ(36.5542, 57.4106, 46.7614)

Have a look what the booklet for
XYZ(36.5542, 57.4106, 46.7614)
contains.

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Color

**XYZ(36.6411, 57.6317,
46.7290)**

Conversions

Conversions Part 1

Format	Color
Hex	4AE0A9
RGB	74, 224, 169
RGB Percent	29%, 88%, 66%
CMY	0.7098, 0.1216, 0.3372
CMYK	0.67, 0.00, 0.25, 0.12
HSL	158°, 71%, 58%
HSV	158°, 67%, 88%
XYZ	36.6411, 57.6317, 46.7290
YIQ	172.8800, -71.7450, -48.9050

Conversions

Conversions Part 2

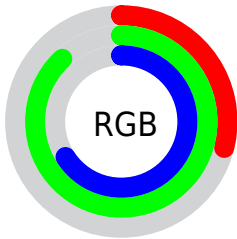
Format	Color
RYB	74, 166, 224
Decimal	4907177
CIELab	80.53, -52.19, 15.58
CIELCh	81, 54.470, 163.382
Yxy	57.6317, 0.2599, 0.4087
Android (android.graphics.Color)	4283097257 (0xFF4AE0A9)
YUV	172.8800, -1.9128, -86.7178
Hunter-Lab	75.9155, -46.6981, 16.6456

Details

The XYZ color **36.6411, 57.6317, 46.7290** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **37.1535, 22.3312, 23.1231**, and the grayscale version is **39.6964, 41.7637, 45.4807**.

A 20% lighter version of the original color is **59.8620, 82.3908, 83.2690**, and **17.2135, 29.2896, 21.5758** is the 20% darker color. If you saturate the color by 10%, you get **34.4669, 56.5987, 42.7285**, and if you desaturate by 10%, it is **39.4806, 59.0051, 51.0161**.

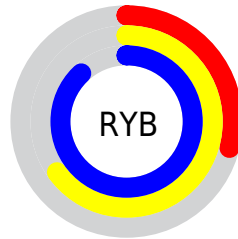
Distribution



Red (29%)

Green (88%)

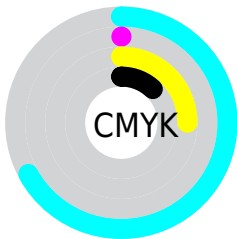
Blue (66%)



Red (29%)

Yellow (65%)

Blue (88%)

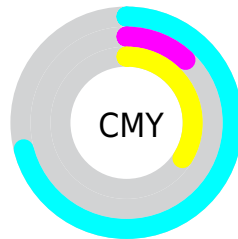


Cyan (67%)

Magenta (0%)

Yellow (25%)

Black (12%)



Cyan (71%)


Magenta (12%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6411, 57.6317, 46.7290 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 36.6411, 57.6317, 46.7290 by changing the saturation by 10% instead.


 36.6411, 57.6317,
46.7290


 36.6411, 57.6317,
46.7290


323.1366,
415.8122, 390.0942


 25.1021, 41.5126,
32.4687


 69.3379, 101.3863,
86.6547


 16.2823, 28.7199,
21.4519


 91.2264, 129.7907,
113.1571

 9.8162, 18.8690,
13.2603

 117.2955,
163.0589, 144.5774

 5.3386, 11.5757,
7.4752

 147.9104,
201.5754, 181.3339

 2.4841, 6.4554,
3.6781

183.4367,
245.7246, 223.8453

 0.8872, 3.1239,
1.4505

224.2396,

 0.0000, 1.1968,

295.8909, 272.5302

0.1806

270.6844,
352.4586, 327.8069

■ 0.0000, 0.0591,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6411, 57.6317,
46.7290

■ 36.6411, 57.6317,
46.7290

■ 34.4669, 56.5987,
42.7285

■ 39.4806, 59.0051,
51.0161

■ 32.8838, 55.8634,
39.0026


■ 43.0401, 60.7424,
55.5931

■ 31.8035, 55.3819,
35.5439


■ 47.3737, 62.8731,
60.4680


■ 31.5291, 55.2623,
34.5435


■ 52.5290, 65.4215,
65.6475

 58.5495, 68.4099,
71.1376

 65.4757, 71.8591,
76.9443

 73.3453, 75.7885,
83.0735

 82.1940, 80.2164,
89.5306

 84.0631, 81.0399,
95.9470

Harmonies

Analogous

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



41.2901, 57.6317, 27.7799



36.6411, 57.6317, 46.7290



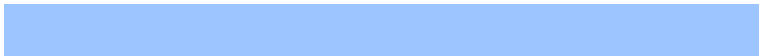
36.4011, 57.6317, 78.1174

Triad

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



36.6411, 57.6317, 46.7290



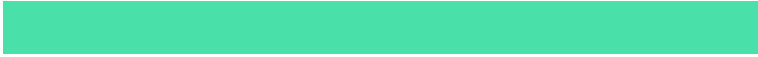
59.9084, 57.6317, 143.7961



71.9469, 57.6317, 29.2337

Complementary

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



36.6411, 57.6317, 46.7290



37.1535, 22.3312, 23.1231

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.



78.4839, 57.6317, 49.5449



36.6411, 57.6317, 46.7290



70.9215, 57.6317, 119.0235

Square

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



36.6411, 57.6317, 46.7290



48.8523, 57.6317, 142.2366



78.0849, 57.6317, 82.0715



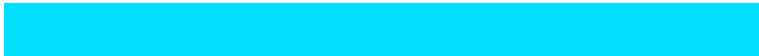
61.1627, 57.6317, 20.2933

Rectangle

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



36.6411, 57.6317, 46.7290



38.7060, 57.6317, 103.1202



78.0849, 57.6317, 82.0715



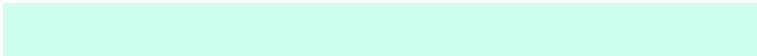
74.7756, 57.6317, 34.5902

Sweetspot

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



36.6427, 57.6340, 46.7303



75.8457, 90.4309, 93.0425



37.3312, 58.6734, 15.8369



15.7419, 19.1116, 19.4676



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.



36.6427, 57.6340, 46.7303



45.3836, 75.5271, 55.4718



38.4722, 51.2236, 78.3831



13.8922, 15.4826, 16.4676



18.4087, 32.1883, 20.4069



1.3186, 2.2482, 1.6391

Inverse Universe

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



37.1535, 22.3312, 23.1231



46.1770, 25.1289, 22.0885



35.7621, 23.9110, 9.2097



13.9140, 13.7832, 15.3171



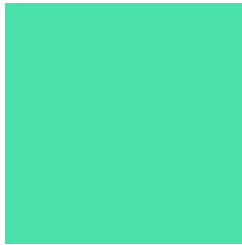
18.8334, 9.6004, 5.7884



1.3475, 0.6823, 0.6229

Previews

White Background



This preview shows how the XYZ color 36.6411, 57.6317, 46.7290 looks on a white background.

Color Contrast Check

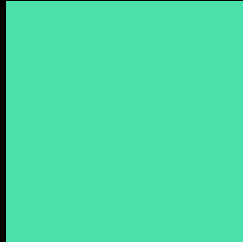
Large Text (above 18pt) WCAG AA × Fail

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 36.6411, 57.6317, 46.7290 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

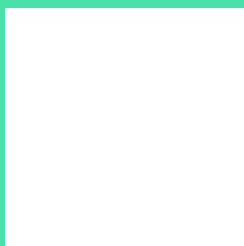
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6411, 57.6317, 46.7290

Background



This preview shows how black text looks on a background with the XYZ color 36.6411, 57.6317, 46.7290.

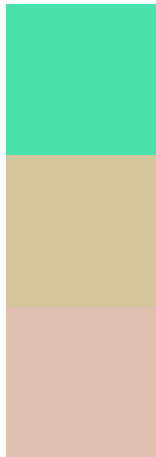


This preview shows how white text looks on a background with the XYZ color 36.6411, 57.6317,

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

36.6411, 57.6317, 46.7290

Protanopia

53.0588, 56.6374, 39.5881

Deuteranopia

57.5186, 56.4037, 48.9297



Tritanopia

44.5194, 57.7043, 85.8824

Trichromacy



Original Color

36.6411, 57.6317, 46.7290



Protanomaly

43.4438, 54.7759, 42.0013



Deuteranomaly

45.4763, 54.2750, 47.6144



Tritanomaly

41.2788, 57.5403, 69.9035

Monochromacy



Original Color

36.6411, 57.6317, 46.7290



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

36.6126, 45.9962, 45.9782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6411, 57.6317, 46.7290 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(74, 224, 169)` looks like.

```
.text, #text, p{  
    color:rgb(74, 224, 169)  
}
```

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(74, 224, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 224, 169) }
```

Border

The CSS property to change the border of an element to XYZ 36.6411, 57.6317, 46.7290 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(74, 224, 169) }
```


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

```
.border{ border-color:rgb(74, 224, 169) }
```

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

Here you see how a box with a 4 pixel rgb(74, 224, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 224, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 224, 169);  
box-shadow:4px 4px 4px 4px rgb(74, 224,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6411, 57.6317, 46.7290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 224, 169) }
```

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

```
.background{ background-color: rgb(74, 224,  
169) }
```

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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