

Converting Colors

XYZ(36.4555, 51.5317, 35.0146)

Have a look what the booklet for
XYZ(36.4555, 51.5317, 35.0146)
contains.

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Color

**XYZ(36.5688, 51.7453,
34.8485)**

Conversions

Conversions Part 1

Format	Color
Hex	80D091
RGB	128, 208, 145
RGB Percent	50%, 82%, 57%
CMY	0.4980, 0.1843, 0.4314
CMYK	0.38, 0.00, 0.30, 0.18
HSL	133°, 46%, 66%
HSV	133°, 38%, 82%
XYZ	36.5688, 51.7453, 34.8485
YIQ	176.8980, -27.4570, -36.5530

Conversions

Conversions Part 2

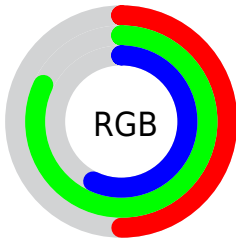
Format	Color
RYB	128, 194, 208
Decimal	8442001
CIELab	77.13, -37.76, 23.76
CIELCh	77, 44.610, 147.818
Yxy	51.7453, 0.2969, 0.4201
Android (android.graphics.Color)	4286632081 (0xFF80D091)
YUV	176.8980, -15.7257, -42.8835
Hunter-Lab	71.9342, -35.1418, 21.6309

Details

The XYZ color **36.5688, 51.7453, 34.8485** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.1373, 32.6109, 53.3132**, and the grayscale version is **41.8278, 44.0061, 47.9226**.

A 20% lighter version of the original color is **65.8360, 85.8339, 67.1305**, and **16.2357, 25.0465, 14.5684** is the 20% darker color. If you saturate the color by 10%, you get **32.5818, 49.8270, 28.5376**, and if you desaturate by 10%, it is **41.3820, 54.0714, 42.1510**.

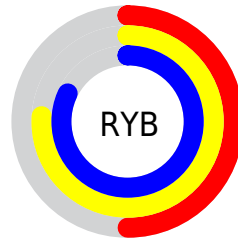
Distribution



Red (50%)

Green (82%)

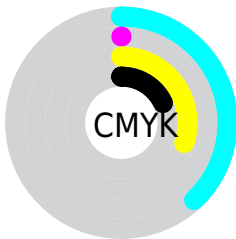
Blue (57%)



Red (50%)

Yellow (76%)

Blue (82%)

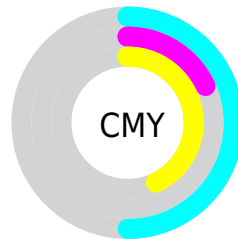


Cyan (38%)

Magenta (0%)

Yellow (30%)

Black (18%)



Cyan (50%)


Magenta (18%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5688, 51.7453, 34.8485 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 36.5688, 51.7453, 34.8485 by changing the saturation by 10% instead.


 36.5688, 51.7453,
34.8485


 36.5688, 51.7453,
34.8485


322.8279,
393.4525, 338.7830


 25.0459, 36.8021,
23.2636


 69.2272, 92.7555,
68.3999

 16.2402, 25.0543,
14.5811


 91.0935, 119.5913,
91.2035

 9.7862, 16.1175,
8.3826


 117.1384,
151.1601, 118.5837

 5.3186, 9.6073,
4.2495

147.7271,
187.8462, 150.9590

 2.4721, 5.1394,
1.7632

183.2251,
230.0342, 188.7481

 0.8812, 2.3293,
0.4035

223.9976,

 0.0000, 0.7891,

278.1083, 232.3695

0.0000

270.4101,
332.4529, 282.2416

■ 0.0000, 0.0000,
0.0000

■ 36.5688, 51.7453,
34.8485

■ 36.5688, 51.7453,
34.8485

■ 32.5818, 49.8270,
28.5376

■ 41.3820, 54.0714,
42.1510

■ 29.3697, 48.2865,
23.1721

■ 47.0606, 56.8204,
50.4817

■ 26.8817, 47.1001,
18.7072

■ 53.6464, 60.0143,
59.8796

■ 25.0591, 46.2387,
15.0934

■ 61.1772, 63.6719,
70.3806

■ 23.8336, 45.6680,
12.2760

■ 69.6885, 67.8109,
82.0191

■ 23.1044, 45.3374,
10.1931

■ 79.2141, 72.4478,
94.8277

■ 23.0153, 45.2971,
9.9329

■ 81.8469, 73.5938,
104.4990

Harmonies

Analogous

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



41.9204, 51.7453, 24.1780



36.5688, 51.7453, 34.8485



34.5492, 51.7453, 54.5724

Triad

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



36.5688, 51.7453, 34.8485



48.5606, 51.7453, 117.5023



65.1569, 51.7453, 37.1457

Complementary

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



36.5688, 51.7453, 34.8485



43.1373, 32.6109, 53.3132

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.



67.4547, 51.7453, 58.1491



36.5688, 51.7453, 34.8485



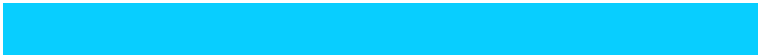
57.2380, 51.7453, 108.9174

Square

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



36.5688, 51.7453, 34.8485



40.9556, 51.7453, 106.1658



64.4066, 51.7453, 85.2376



58.4430, 51.7453, 25.2098

Rectangle

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



36.5688, 51.7453, 34.8485



35.1650, 51.7453, 71.9674



64.4066, 51.7453, 85.2376



66.5031, 51.7453, 43.1594

Sweetspot

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



36.5701, 51.7475, 34.8497



81.0346, 93.1953, 89.2467



48.1924, 57.8792, 29.0543



17.0467, 19.8031, 18.6778



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.



36.5701, 51.7475, 34.8497



52.7691, 79.5287, 47.0444



40.1112, 53.1639, 53.4968



11.7576, 13.2468, 13.0801



14.3729, 28.2421, 6.3440



0.8335, 1.5911, 0.5121

Inverse Universe

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



43.1373, 32.6109, 53.3132



64.5788, 45.0683, 80.2125



39.4006, 31.1162, 33.6361



12.1987, 11.9642, 14.3223



20.4140, 10.0385, 22.8843



1.1690, 0.5723, 1.4246

Previews

White Background



This preview shows how the XYZ color 36.5688, 51.7453, 34.8485 looks on a white background.

Color Contrast Check

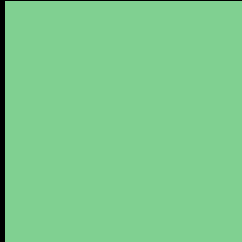
Large Text (above 18pt) WCAG AA × Fail

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 36.5688, 51.7453, 34.8485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

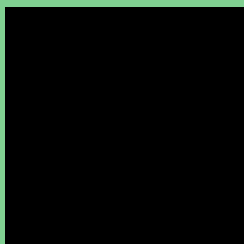
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

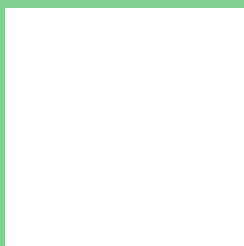
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5688, 51.7453, 34.8485

Background



This preview shows how black text looks on a background with the XYZ color 36.5688, 51.7453, 34.8485.



This preview shows how white text looks on a background with the XYZ color 36.5688, 51.7453,

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

36.5688, 51.7453, 34.8485

Protanopia

47.6148, 51.0387, 31.0088

Deuteranopia

52.1327, 51.0624, 36.3865



Tritanopia

44.0169, 51.5928, 71.9284

Trichromacy



Original Color

36.5688, 51.7453, 34.8485



Protanomaly

42.3780, 50.6034, 32.3448



Deuteranomaly

44.5491, 49.9963, 35.7360



Tritanomaly

40.8960, 51.3620, 56.4736

Monochromacy



Original Color

36.5688, 51.7453, 34.8485



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.0728, 46.0540, 42.4273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5688, 51.7453, 34.8485 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(128, 208, 145)` looks like.

```
.text, #text, p{  
    color:rgb(128, 208, 145)  
}
```

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(128, 208, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 208, 145) }
```

Border

The CSS property to change the border of an element to XYZ 36.5688, 51.7453, 34.8485 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(128, 208, 145) }
```


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

```
.border{ border-color:rgb(128, 208, 145) }
```

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

Here you see how a box with a 4 pixel rgb(128, 208, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 208, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 208, 145);  
box-shadow:4px 4px 4px 4px rgb(128, 208,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5688, 51.7453, 34.8485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 208, 145) }
```

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

```
.background{ background-color: rgb(128,  
208, 145) }
```

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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