

Converting Colors

XYZ(40.7963, 57.0992, 36.1600)

Have a look what the booklet for
XYZ(40.7963, 57.0992, 36.1600)
contains.

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Color

**XYZ(40.8164, 57.2765,
36.0983)**

Conversions

Conversions Part 1

Format	Color
Hex	8CD992
RGB	140, 217, 146
RGB Percent	55%, 85%, 57%
CMY	0.4510, 0.1490, 0.4274
CMYK	0.35, 0.00, 0.33, 0.15
HSL	125°, 50%, 70%
HSV	125°, 35%, 85%
XYZ	40.8164, 57.2765, 36.0983
YIQ	185.8830, -23.1010, -38.4050

Conversions

Conversions Part 2

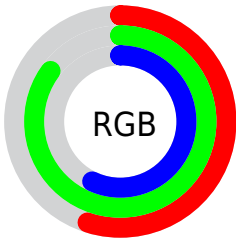
Format	Color
RYB	140, 211, 217
Decimal	9230738
CIELab	80.33, -38.01, 27.67
CIElCh	80, 47.016, 143.944
Yxy	57.2765, 0.3042, 0.4268
Android (android.graphics.Color)	4287420818 (0xFF8CD992)
YUV	185.8830, -19.6623, -40.2394
Hunter-Lab	75.6812, -36.1736, 24.6968

Details

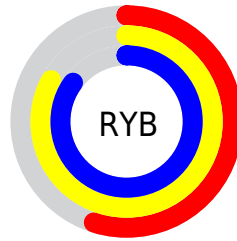
The XYZ color **40.8164, 57.2765, 36.0983** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **49.7532, 38.2122, 66.3838**, and the grayscale version is **46.7237, 49.1570, 53.5320**.

A 20% lighter version of the original color is **68.9503, 87.4259, 67.8844**, and **18.8236, 28.6453, 15.3635** is the 20% darker color. If you saturate the color by 10%, you get **36.0915, 55.0068, 28.4513**, and if you desaturate by 10%, it is **46.5377, 60.0317, 45.2164**.

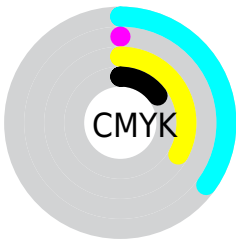
Distribution



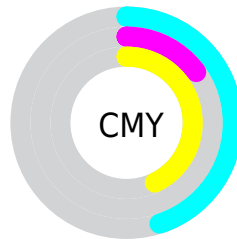
- Red (55%)
- Green (85%)
- Blue (57%)



- Red (55%)
- Yellow (83%)
- Blue (85%)



- Cyan (35%)
- Magenta (0%)
- Yellow (33%)
- Black (15%)



- Cyan (45%)
- Magenta (15%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8164, 57.2765, 36.0983 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 40.8164, 57.2765, 36.0983 by changing the saturation by 10% instead.

■ 40.8164, 57.2765,
36.0983

■ 40.8164, 57.2765,
36.0983

340.6284,
414.4846, 344.4404

■ 28.3627, 41.2273,
24.2198

■ 75.6816, 100.8685,
70.3545

■ 18.7411, 28.4967,
15.2831

■ 98.8237, 129.1801,
93.5693

■ 11.5862, 18.7004,
8.8695

126.2594,
162.3479, 121.4000

■ 6.5328, 11.4540,
4.5605

158.3540,
200.7564, 154.2651

■ 3.2154, 6.3731,
1.9376

195.4729,
244.7899, 192.5832

■ 1.2687, 3.0732,
0.5165

237.9813,

■ 0.1596, 1.1701,

294.8329, 236.7727

0.0000

286.2447,
351.2696, 287.2523

■ 0.0000, 0.0371,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8164, 57.2765,
36.0983

■ 40.8164, 57.2765,
36.0983

■ 36.0915, 55.0068,
28.4513

■ 46.5377, 60.0317,
45.2164

■ 32.3019, 53.1877,
22.1949

■ 53.3033, 63.2907,
55.8729

■ 29.3865, 51.7913,
17.2465

■ 61.1634, 67.0794,
68.1356

■ 27.2750, 50.7832,
13.5134

■ 70.1633, 71.4200,
82.0673

■ 25.8865, 50.1240,
10.8907

■ 80.3462, 76.3334,
97.7271

■ 25.1225, 49.7655,
9.2557

■ 84.1040, 78.1080,
105.2513

■ 24.9145, 49.6682,
8.8005

Harmonies

Analogous

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



47.2742, 57.2765, 25.4041



40.8164, 57.2765, 36.0983



38.0434, 57.2765, 56.9425

Triad

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



40.8164, 57.2765, 36.0983



52.5120, 57.2765, 131.2447



73.1497, 57.2765, 43.2453

Complementary

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



40.8164, 57.2765, 36.0983



49.7532, 38.2122, 66.3838

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.



74.9768, 57.2765, 68.1200



40.8164, 57.2765, 36.0983



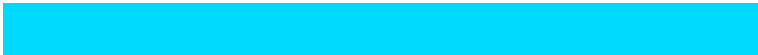
62.2948, 57.2765, 124.3690

Square

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



40.8164, 57.2765, 36.0983



44.2648, 57.2765, 115.7254



70.7998, 57.2765, 99.0170



66.0650, 57.2765, 28.5996

Rectangle

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



40.8164, 57.2765, 36.0983



38.3923, 57.2765, 76.0170



70.7998, 57.2765, 99.0170



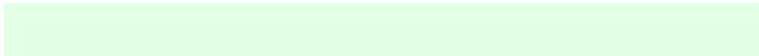
74.4313, 57.2765, 50.4529

Sweetspot

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



40.8179, 57.2789, 36.0996



81.5846, 93.5075, 87.9771



56.6619, 65.4993, 34.4677



17.1369, 19.8576, 18.3222



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.



40.8179, 57.2789, 36.0996



53.3228, 79.9012, 43.1381



44.2431, 58.6490, 54.1363



12.9275, 14.6226, 14.0812



15.0964, 30.0712, 5.4070



0.9927, 1.9540, 0.4276

Inverse Universe

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



49.7532, 38.2122, 66.3838



68.1235, 48.2997, 93.2877



45.5735, 36.5404, 44.3738



13.5683, 13.2564, 16.2540



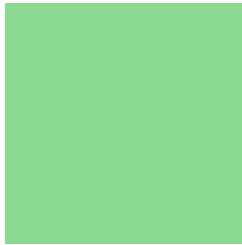
23.6575, 11.4640, 34.1718



1.5459, 0.7480, 2.2838

Previews

White Background



This preview shows how the XYZ color 40.8164, 57.2765, 36.0983 looks on a white background.

Color Contrast Check

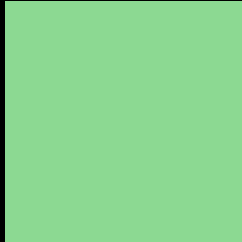
Large Text (above 18pt) WCAG AA × Fail

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 40.8164, 57.2765, 36.0983 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 40.8164, 57.2765, 36.0983

Background



This preview shows how black text looks on a background with the XYZ color 40.8164, 57.2765, 36.0983.

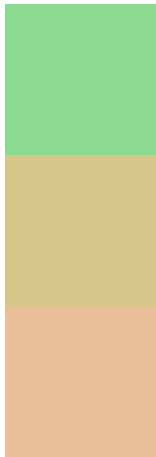


This preview shows how white text looks on a background with the XYZ color 40.8164, 57.2765,

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

40.8164, 57.2765, 36.0983

Protanopia

52.5131, 56.5193, 32.1863

Deuteranopia

57.6852, 56.4175, 37.5551



Tritanopia

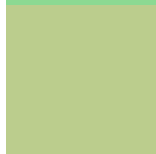
49.2849, 56.9760, 78.9209

Trichromacy



Original Color

40.8164, 57.2765, 36.0983



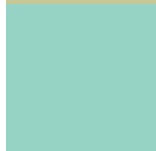
Protanomaly

47.1326, 56.1505, 33.5533



Deuteranomaly

49.7125, 55.6527, 36.9761



Tritanomaly

45.8357, 57.0581, 60.8221

Monochromacy



Original Color

40.8164, 57.2765, 36.0983



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

43.6791, 51.3078, 46.1293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8164, 57.2765, 36.0983 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(140, 217, 146)` looks like.

```
.text, #text, p{  
    color:rgb(140, 217, 146)  
}
```

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(140, 217, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 217, 146) }
```

Border

The CSS property to change the border of an element to XYZ 40.8164, 57.2765, 36.0983 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(140, 217, 146) }
```


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

```
.border{ border-color:rgb(140, 217, 146) }
```

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

Here you see how a box with a 4 pixel rgb(140, 217, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 217, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 217, 146);  
box-shadow:4px 4px 4px 4px rgb(140, 217,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8164, 57.2765, 36.0983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 217, 146) }
```

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

```
.background{ background-color: rgb(140,  
217, 146) }
```

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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