

Converting Colors

XYZ(40.5292, 57.8115, 31.9997)

Have a look what the booklet for
XYZ(40.5292, 57.8115, 31.9997)
contains.

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Color

**XYZ(40.6892, 58.0750,
31.9867)**

Conversions

Conversions Part 1

Format	Color
Hex	8DDB87
RGB	141, 219, 135
RGB Percent	55%, 86%, 53%
CMY	0.4471, 0.1412, 0.4706
CMYK	0.36, 0.00, 0.38, 0.14
HSL	116°, 54%, 69%
HSV	116°, 38%, 86%
XYZ	40.6892, 58.0750, 31.9867
YIQ	186.1020, -19.5240, -42.6600

Conversions

Conversions Part 2

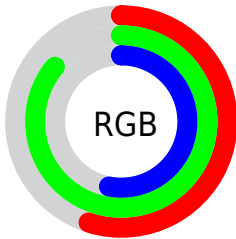
Format	Color
RYB	135, 219, 213
Decimal	9296775
CIELab	80.78, -40.32, 33.91
CIElCh	81, 52.686, 139.938
Yxy	58.0750, 0.3112, 0.4442
Android (android.graphics.Color)	4287486855 (0xFF8DDB87)
YUV	186.1020, -25.1933, -39.5545
Hunter-Lab	76.2070, -38.0556, 28.4588

Details

The XYZ color **40.6892, 58.0750, 31.9867** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **48.8933, 36.5903, 71.5065**, and the grayscale version is **46.8751, 49.3163, 53.7054**.

A 20% lighter version of the original color is **67.9713, 87.0644, 61.3668**, and **18.6279, 28.8607, 12.9764** is the 20% darker color. If you saturate the color by 10%, you get **36.1572, 55.9006, 24.5371**, and if you desaturate by 10%, it is **46.1762, 60.7085, 41.1390**.

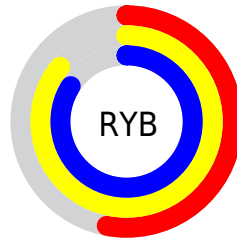
Distribution



Red (55%)

Green (86%)

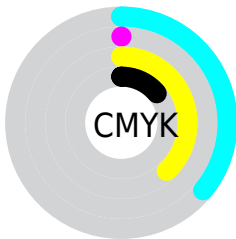
Blue (53%)



Red (53%)

Yellow (86%)

Blue (84%)

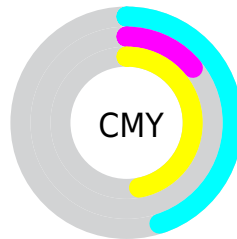


Cyan (36%)

Magenta (0%)

Yellow (38%)

Black (14%)



Cyan (45%)


Magenta (14%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6892, 58.0750, 31.9867 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 40.6892, 58.0750, 31.9867 by changing the saturation by 10% instead.


 40.6892, 58.0750,
31.9867


 40.6892, 58.0750,
31.9867


340.1048,
417.4653, 325.5495


 28.2629, 41.8689,
21.0866


 75.4896, 102.0321,
63.8879

 18.6654, 28.9987,
12.9955


 98.5943, 130.5519,
85.7261

 11.5313, 19.0798,
7.2947


 125.9893,
163.9451, 112.0474

 6.4953, 11.7280,
3.5659

158.0399,
202.5960, 143.2704

 3.1920, 6.5587,
1.3903

195.1113,
246.8891, 179.8135

 1.2561, 3.1877,
0.1342

237.5691,

 0.1500, 1.2305,

297.2088, 222.0954

0.0000

285.7784,
353.9394, 270.5345

■ 0.0000, 0.0864,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6892, 58.0750,
31.9867

■ 40.6892, 58.0750,
31.9867

■ 36.1572, 55.9006,
24.5371

■ 46.1762, 60.7085,
41.1390

■ 32.5216, 54.1522,
18.6815


■ 52.6639, 63.8175,
52.0859


■ 29.7237, 52.8038,
14.3049


■ 60.2004, 67.4265,
64.9175


■ 27.6966, 51.8237,
11.2751


■ 68.8292, 71.5562,
79.7165

 26.3624, 51.1753,
9.4366

 78.5916, 76.2261,
96.5610

 25.6206, 50.8115,
8.5606

 84.6227, 79.1453,
105.4242

 25.5402, 50.7723,
8.4539

Harmonies

Analogous

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



48.3694, 58.0750, 21.9863



40.6892, 58.0750, 31.9867



37.0606, 58.0750, 53.3357

Triad

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



40.6892, 58.0750, 31.9867



51.6246, 58.0750, 142.4443



77.2859, 58.0750, 44.9289

Complementary

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



40.6892, 58.0750, 31.9867



48.8933, 36.5903, 71.5065

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.



78.4581, 58.0750, 74.2864



40.6892, 58.0750, 31.9867



62.6420, 58.0750, 137.9070

Square

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



40.6892, 58.0750, 31.9867



42.8023, 58.0750, 121.0461



72.8024, 58.0750, 110.1492



69.7831, 58.0750, 27.5773

Rectangle

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



40.6892, 58.0750, 31.9867



37.0546, 58.0750, 74.1446



72.8024, 58.0750, 110.1492



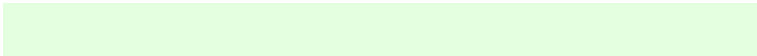
78.4680, 58.0750, 53.4496

Sweetspot

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



40.6907, 58.0775, 31.9880



80.8167, 93.1871, 84.5332



57.1326, 63.8992, 32.2451



16.9956, 19.8010, 17.5784



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.



40.6907, 58.0775, 31.9880



52.1934, 79.4643, 36.5183



42.5807, 58.7188, 47.1214



12.9722, 14.6504, 13.8697



15.1774, 30.1217, 5.0141



1.0141, 1.9673, 0.3263

Inverse Universe

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



48.8933, 36.5903, 71.5065



65.3206, 45.0168, 99.8541



46.5311, 35.8502, 49.8167



13.5178, 13.2251, 16.4924



22.2831, 10.6115, 40.6122



1.4717, 0.7019, 2.6324

Previews

White Background



This preview shows how the XYZ color 40.6892, 58.0750, 31.9867 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 40.6892, 58.0750, 31.9867 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 40.6892, 58.0750, 31.9867

Background



This preview shows how black text looks on a background with the XYZ color 40.6892, 58.0750, 31.9867.



This preview shows how white text looks on a background with the XYZ color 40.6892, 58.0750,

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

40.6892, 58.0750, 31.9867

Protanopia

53.1003, 57.5926, 28.3965

Deuteranopia

58.3636, 57.1892, 33.1618



Tritanopia

50.2470, 57.8171, 79.7457

Trichromacy



Original Color

40.6892, 58.0750, 31.9867

Protanomaly

47.3284, 57.0562, 29.6376

Deuteranomaly

49.9040, 56.1939, 32.6424

Tritanomaly

46.0068, 57.5681, 58.5561

Monochromacy



Original Color

40.6892, 58.0750, 31.9867

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

43.7467, 51.7242, 44.2373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6892, 58.0750, 31.9867 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(141, 219, 135)` looks like.

```
.text, #text, p{  
    color:rgb(141, 219, 135)  
}
```

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(141, 219, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 219, 135) }
```

Border

The CSS property to change the border of an element to XYZ 40.6892, 58.0750, 31.9867 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(141, 219, 135) }
```


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

```
.border{ border-color:rgb(141, 219, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 219, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 219, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 219, 135); box-shadow:4px 4px 4px 4px rgb(141, 219, 135) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6892, 58.0750, 31.9867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 219, 135) }
```

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

```
.background{ background-color: rgb(141,  
219, 135) }
```

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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