

Converting Colors

XYZ(50.7547, 63.3049, 31.5744)

Have a look what the booklet for
XYZ(50.7547, 63.3049, 31.5744)
contains.

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Color

**XYZ(50.8004, 63.3036,
31.7317)**

Conversions

Conversions Part 1

Format	Color
Hex	BEDB85
RGB	190, 219, 133
RGB Percent	75%, 86%, 52%
CMY	0.2549, 0.1412, 0.4784
CMYK	0.13, 0.00, 0.39, 0.14
HSL	80°, 54%, 69%
HSV	80°, 39%, 86%
XYZ	50.8004, 63.3036, 31.7317
YIQ	200.5250, 10.3220, -32.8940

Conversions

Conversions Part 2

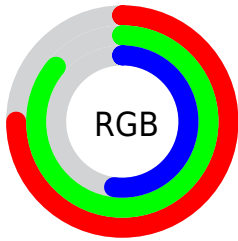
Format	Color
RYB	133, 219, 162
Decimal	12508037
CIELab	83.60, -23.55, 39.13
CIELCh	84, 45.668, 121.041
Yxy	63.3036, 0.3483, 0.4341
Android (android.graphics.Color)	4290698117 (0xFFBEDB85)
YUV	200.5250, -33.2898, -9.2304
Hunter-Lab	79.5636, -25.2661, 32.0483

Details

The XYZ color **50.8004, 63.3036, 31.7317** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **36.0765, 29.5726, 70.8280**, and the grayscale version is **55.4197, 58.3058, 63.4950**.

A 20% lighter version of the original color is **83.0874, 94.8820, 60.9486**, and **24.7901, 32.3110, 12.9127** is the 20% darker color. If you saturate the color by 10%, you get **47.6446, 61.8357, 24.4928**, and if you desaturate by 10%, it is **54.3684, 64.9515, 40.6391**.

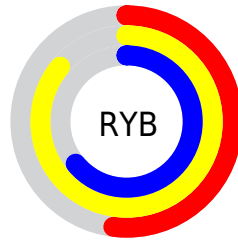
Distribution



Red (75%)

Green (86%)

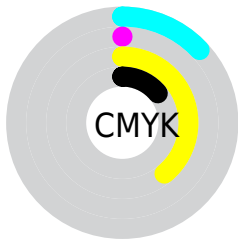
Blue (52%)



Red (52%)

Yellow (86%)

Blue (64%)

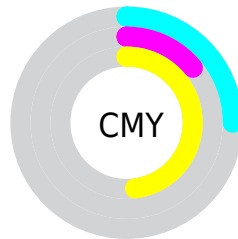


Cyan (13%)

Magenta (0%)

Yellow (39%)

Black (14%)



Cyan (25%)


Magenta (14%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8004, 63.3036, 31.7317 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 50.8004, 63.3036, 31.7317 by changing the saturation by 10% instead.


 50.8004, 63.3036,
31.7317

 50.8004, 63.3036,
31.7317


380.1883,
436.6705, 324.3502


 36.2702, 46.0869,
20.8935


 90.5444, 109.6074,
63.4833

 24.8140, 32.3144,
12.8557


 116.4889,
139.4632, 85.2337

 16.0665, 21.6017,
7.1997


 146.9689,
174.3009, 111.4587

 9.6624, 13.5646,
3.5070

182.3497,
214.5048, 142.5767

 5.2362, 7.8184,
1.3590

222.9967,
260.4593, 179.0064

 2.4227, 3.9790,
0.1094

269.2752,

 0.8564, 1.6618,

312.5488, 221.1661

0.0000

321.5506,
371.1578, 269.4746

0.0000, 0.3987,
0.0000

0.0000, 0.0000,
0.0000

50.8004, 63.3036,
31.7317

50.8004, 63.3036,
31.7317

47.6446, 61.8357,
24.4928

54.3684, 64.9515,
40.6391

44.8750, 60.5307,
18.8141


58.3632, 66.7790,
51.3060


42.4699, 59.3821,
14.5812


62.8044, 68.7961,
63.8217


40.4029, 58.3789,
11.6621


67.7089, 71.0097,
78.2684

 38.6427, 57.5087,
9.9007


 73.0925, 73.4265,
94.7231


 37.1396, 56.7513,
9.0426

 77.4185, 75.4317,
105.0871

 37.0355, 56.6986,
8.9920

 79.8987, 76.7103,
105.2032

 82.4813, 78.0417,
105.3241

 84.6228, 79.1457,
105.4243

Harmonies

Analogous

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



59.8200, 63.3036, 27.2694



50.8004, 63.3036, 31.7317



44.8832, 63.3036, 45.5829

Triad

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



50.8004, 63.3036, 31.7317



51.3421, 63.3036, 129.1045



81.4799, 63.3036, 67.9326

Complementary

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



50.8004, 63.3036, 31.7317



36.0765, 29.5726, 70.8280

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.



78.5804, 63.3036, 99.1272



50.8004, 63.3036, 31.7317



60.5177, 63.3036, 139.8217

Square

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



50.8004, 63.3036, 31.7317



45.1708, 63.3036, 101.3484



70.6221, 63.3036, 127.5923



78.1643, 63.3036, 44.2820

Rectangle

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



50.8004, 63.3036, 31.7317



43.1247, 63.3036, 60.7132



70.6221, 63.3036, 127.5923



81.1974, 63.3036, 77.8497

Sweetspot

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



50.8020, 63.3064, 31.7331



86.8135, 96.2785, 84.8138



46.3110, 42.4790, 27.9496



18.4022, 20.5261, 17.6442



0.0000, 0.0000, 0.0000



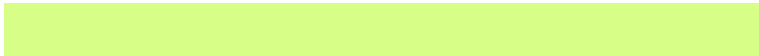
20.3446, 21.4041, 23.3091

Same Dimension

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



50.8020, 63.3064, 31.7331



68.0450, 87.6571, 36.3102



41.6597, 58.5934, 31.3052



13.7135, 15.0326, 13.9044



22.0802, 33.6802, 5.3372



1.5209, 2.2286, 0.3500

Inverse Universe

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



36.0765, 29.5726, 70.8280



44.5423, 33.7699, 98.7783



46.2610, 34.8229, 71.3046



12.7505, 12.8295, 16.4565



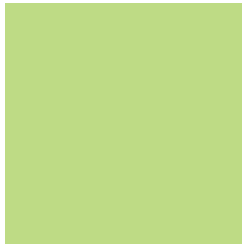
9.3545, 3.9466, 40.0071



0.6961, 0.3021, 2.5961

Previews

White Background



This preview shows how the XYZ color 50.8004, 63.3036, 31.7317 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 50.8004, 63.3036, 31.7317 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 50.8004, 63.3036, 31.7317

Background



This preview shows how black text looks on a background with the XYZ color 50.8004, 63.3036, 31.7317.



This preview shows how white text looks on a background with the XYZ color 50.8004, 63.3036,

31.7317.

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

50.8004, 63.3036, 31.7317

Protanopia

58.1969, 63.0276, 29.8671

Deuteranopia

64.4352, 63.0058, 32.8100



Tritanopia

60.5036, 63.1045, 80.2257

Trichromacy



Original Color

50.8004, 63.3036, 31.7317

Protanomaly

55.3043, 62.9948, 30.3635

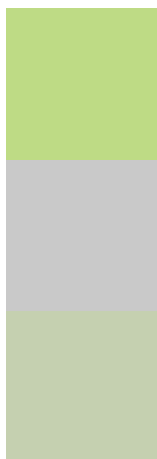
Deuteranomaly

58.5101, 62.4142, 32.2559

Tritanomaly

56.3466, 62.8985, 59.0400

Monochromacy



Original Color

50.8004, 63.3036, 31.7317

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.4183, 60.1167, 49.8625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8004, 63.3036, 31.7317 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(190, 219, 133)` looks like.

```
.text, #text, p{  
    color:rgb(190, 219, 133)  
}
```

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(190, 219, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 219, 133) }
```

Border

The CSS property to change the border of an element to XYZ 50.8004, 63.3036, 31.7317 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(190, 219, 133) }
```


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

```
.border{ border-color:rgb(190, 219, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 219, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 219, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 219, 133);  
box-shadow:4px 4px 4px 4px rgb(190, 219,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8004, 63.3036, 31.7317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 219, 133) }
```

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

```
.background{ background-color: rgb(190,  
219, 133) }
```

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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