

Converting Colors

XYZ(50.1135, 61.3700, 33.6316)

Have a look what the booklet for
XYZ(50.1135, 61.3700, 33.6316)
contains.

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Color

**XYZ(50.1958, 61.4121,
33.6342)**

Conversions

Conversions Part 1

Format	Color
Hex	BED78B
RGB	190, 215, 139
RGB Percent	75%, 84%, 55%
CMY	0.2549, 0.1568, 0.4549
CMYK	0.12, 0.00, 0.35, 0.16
HSL	80°, 49%, 69%
HSV	80°, 35%, 84%
XYZ	50.1958, 61.4121, 33.6342
YIQ	198.8610, 9.4960, -28.9360

Conversions

Conversions Part 2

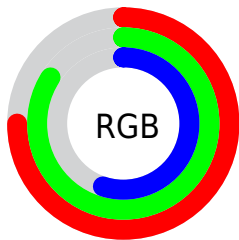
Format	Color
RYB	139, 215, 164
Decimal	12507019
CIELab	82.60, -20.85, 34.80
CIELCh	83, 40.567, 120.921
Yxy	61.4121, 0.3456, 0.4228
Android (android.graphics.Color)	4290697099 (0xFFBED78B)
YUV	198.8610, -29.5115, -7.7711
Hunter-Lab	78.3659, -22.8054, 29.4092

Details

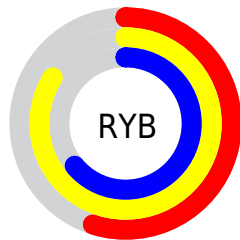
The XYZ color **50.1958, 61.4121, 33.6342** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **36.8107, 31.2657, 68.3882**, and the grayscale version is **54.3731, 57.2047, 62.2960**.

A 20% lighter version of the original color is **83.7434, 95.1444, 64.4030**, and **24.4856, 31.0804, 13.9411** is the 20% darker color. If you saturate the color by 10%, you get **47.0532, 59.9580, 26.0778**, and if you desaturate by 10%, it is **53.7363, 63.0395, 42.8244**.

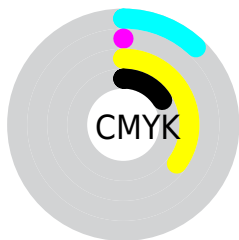
Distribution



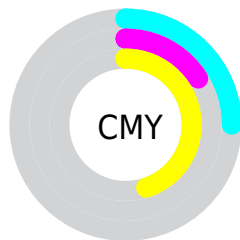
- Red (75%)
- Green (84%)
- Blue (55%)



- Red (55%)
- Yellow (84%)
- Blue (64%)



- Cyan (12%)
- Magenta (0%)
- Yellow (35%)
- Black (16%)





- Cyan (25%)
- Magenta (16%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1958, 61.4121, 33.6342 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 50.1958, 61.4121, 33.6342 by changing the saturation by 10% instead.


 50.1958, 61.4121,
33.6342


 50.1958, 61.4121,
33.6342


377.8705,
429.7834, 333.2171


 35.7874, 44.5578,
22.3376


 89.6550, 106.8754,
66.4918

 24.4394, 31.1093,
13.9045


 115.4365,
136.2532, 88.8899

 15.7864, 20.6821,
7.9163


 145.7399,
170.5743, 115.8256

 9.4630, 12.8918,
3.9544

180.9303,
210.2232, 147.7175

 5.1039, 7.3541,
1.6004

221.3732,
255.5841, 184.9840

 2.3437, 3.6845,
0.2911

267.4340,

 0.8169, 1.4987,

307.0415, 228.0438

0.0000

319.4780,
364.9798, 277.3153

■ 0.0000, 0.2878,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.1958, 61.4121,
33.6342

■ 50.1958, 61.4121,
33.6342

■ 47.0532, 59.9580,
26.0778

■ 53.7363, 63.0395,
42.8244

■ 44.2843, 58.6610,
20.0553

■ 57.6879, 64.8393,
53.7325


■ 41.8695, 57.5153,
15.4622


■ 62.0688, 66.8209,
66.4415


■ 39.7848, 56.5111,
12.1790


■ 66.8947, 68.9909,
81.0281

 38.0027, 55.6373,
10.0672


 72.1803, 71.3552,
97.5642


 36.4894, 54.8802,
8.9569

 75.7742, 73.0534,
104.7147

 35.8502, 54.5570,
8.6410

 78.1228, 74.2642,
104.8246

 80.5650, 75.5232,
104.9389

 83.1017, 76.8309,
105.0577

Harmonies

Analogous

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



58.1021, 61.4121, 29.5157



50.1958, 61.4121, 33.6342



44.9472, 61.4121, 46.1958

Triad

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



50.1958, 61.4121, 33.6342



50.6178, 61.4121, 118.0345



76.7287, 61.4121, 66.1009

Complementary

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



50.1958, 61.4121, 33.6342



36.8107, 31.2657, 68.3882

Split Complementary

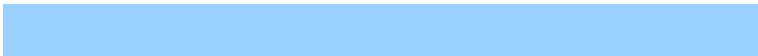
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.2307, 61.4121, 92.9354



50.1958, 61.4121, 33.6342



58.6394, 61.4121, 127.0595

Square

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



50.1958, 61.4121, 33.6342



45.1733, 61.4121, 94.6050



67.3875, 61.4121, 116.9144



73.9158, 61.4121, 45.1622

Rectangle

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



50.1958, 61.4121, 33.6342



43.3719, 61.4121, 59.5945



67.3875, 61.4121, 116.9144



76.4803, 61.4121, 74.7091

Sweetspot

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



50.1973, 61.4148, 33.6355



87.5442, 96.6148, 86.6713



45.7958, 42.5312, 30.2226



18.5519, 20.5953, 18.0148



0.0000, 0.0000, 0.0000



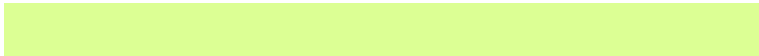
20.3446, 21.4041, 23.3091

Same Dimension

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



50.1973, 61.4148, 33.6355



70.5412, 88.8338, 41.4042



42.0869, 57.2337, 33.2560



13.0573, 14.3058, 13.2338



21.5576, 32.6897, 5.1735



1.3858, 2.0158, 0.3160

Inverse Universe

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



36.8107, 31.2657, 68.3882



48.1850, 38.4524, 99.4902



45.6059, 35.7998, 68.7998



12.1236, 12.2051, 15.6544



8.9790, 3.7814, 38.7098



0.6277, 0.2725, 2.3388

Previews

White Background



This preview shows how the XYZ color 50.1958, 61.4121, 33.6342 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 50.1958, 61.4121, 33.6342 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 50.1958, 61.4121, 33.6342

Background



This preview shows how black text looks on a background with the XYZ color 50.1958, 61.4121, 33.6342.



This preview shows how white text looks on a background with the XYZ color 50.1958, 61.4121,

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

50.1958, 61.4121, 33.6342

Protanopia

56.6359, 61.0999, 31.7301

Deuteranopia

62.3540, 60.8755, 34.4503



Tritanopia

58.9699, 61.3006, 77.1308

Trichromacy



Original Color

50.1958, 61.4121, 33.6342

Protanomaly

54.1084, 61.2274, 32.2588

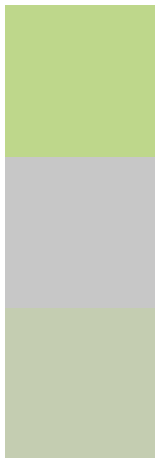
Deuteranomaly

57.2898, 60.6724, 34.2826

Tritanomaly

55.2304, 61.2328, 58.1984

Monochromacy



Original Color

50.1958, 61.4121, 33.6342

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

52.5321, 58.5727, 50.1319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1958, 61.4121, 33.6342 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, 215, 139)` looks like.

```
.text, #text, p{  
    color:rgb(190, 215, 139)  
}
```

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, 215, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 215, 139) }
```

Border

The CSS property to change the border of an element to XYZ 50.1958, 61.4121, 33.6342 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, 215, 139) }
```


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

```
.border{ border-color:rgb(190, 215, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 215, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 215, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 215, 139);  
box-shadow:4px 4px 4px 4px rgb(190, 215,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1958, 61.4121, 33.6342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 215, 139) }
```

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

```
.background{ background-color: rgb(190,  
215, 139) }
```

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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