

Converting Colors

XYZ(50.9920, 63.4198, 36.2368)

Have a look what the booklet for
XYZ(50.9920, 63.4198, 36.2368)
contains.

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Color

**XYZ(50.9359, 63.2722,
36.3162)**

Conversions

Conversions Part 1

Format	Color
Hex	BBDB91
RGB	187, 219, 145
RGB Percent	73%, 86%, 57%
CMY	0.2667, 0.1412, 0.4314
CMYK	0.15, 0.00, 0.34, 0.14
HSL	86°, 51%, 71%
HSV	86°, 34%, 86%
XYZ	50.9359, 63.2722, 36.3162
YIQ	200.9960, 4.6820, -29.7980

Conversions

Conversions Part 2

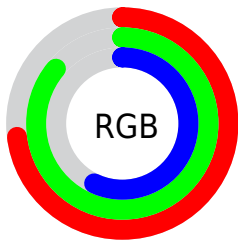
Format	Color
RYB	145, 219, 177
Decimal	12311441
CIELab	83.59, -23.12, 33.00
CIElCh	84, 40.291, 125.013
Yxy	63.2722, 0.3384, 0.4203
Android (android.graphics.Color)	4290501521 (0xFFBBDB91)
YUV	200.9960, -27.6060, -12.2745
Hunter-Lab	79.5438, -24.8992, 28.6115

Details

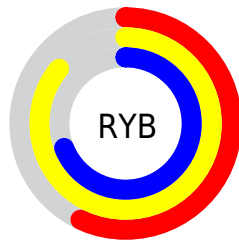
The XYZ color **50.9359, 63.2722, 36.3162** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.0456, 34.7141, 71.5585**, and the grayscale version is **55.6800, 58.5797, 63.7933**.

A 20% lighter version of the original color is **83.3770, 94.8766, 67.9514**, and **24.9687, 32.3456, 15.5170** is the 20% darker color. If you saturate the color by 10%, you get **47.1666, 61.5077, 28.1585**, and if you desaturate by 10%, it is **55.1868, 65.2513, 46.1982**.

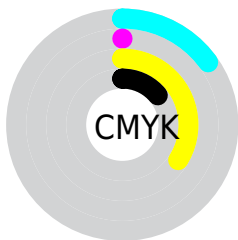
Distribution



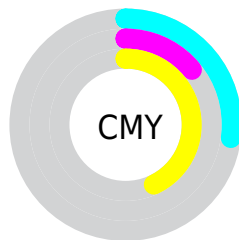
- Red (73%)
- Green (86%)
- Blue (57%)



- Red (57%)
- Yellow (86%)
- Blue (69%)



- Cyan (15%)
- Magenta (0%)
- Yellow (34%)
- Black (14%)





- Cyan (27%)
- Magenta (14%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9359, 63.2722, 36.3162 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 50.9359, 63.2722, 36.3162 by changing the saturation by 10% instead.


 50.9359, 63.2722,
36.3162


 50.9359, 63.2722,
36.3162


380.7065,
436.5567, 345.4196

 36.3784, 46.0615,
24.3869


 90.7436, 109.5621,
70.6944

 24.8981, 32.2943,
15.4060


 116.7245,
139.4101, 93.9803

 16.1295, 21.5864,
8.9550


147.2439,
174.2392, 121.8888

 9.7072, 13.5533,
4.6155

182.6672,
214.4340, 154.8385

 5.2661, 7.8107,
1.9687

223.3598,
260.3787, 193.2479

 2.4406, 3.9740,
0.5359

269.6870,

 0.8654, 1.6590,

312.4578, 237.5355

0.0000

322.0141,
371.0556, 288.1199

0.0000, 0.3969,
0.0000

0.0000, 0.0000,
0.0000

50.9359, 63.2722,
36.3162

50.9359, 63.2722,
36.3162

47.1666, 61.5077,
28.1585

55.1868, 65.2513,
46.1982

43.8524, 59.9404,
21.6221


59.9347, 67.4450,
57.8915


40.9712, 58.5633,
16.5991


65.2000, 69.8640,
71.4822


38.4967, 57.3655,
12.9671


71.0003, 72.5156,
87.0495

 36.3989, 56.3345,
10.5845


 77.3526, 75.4069,
104.6684

 34.6417, 55.4557,
9.2796

 80.6319, 77.0883,
105.2375

 33.6870, 54.9725,
8.8353

 84.0005, 78.8249,
105.3952

 84.6229, 79.1457,
105.4243

Harmonies

Analogous

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



58.6707, 63.2722, 30.9932



50.9359, 63.2722, 36.3162



46.0578, 63.2722, 50.3698

Triad

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



50.9359, 63.2722, 36.3162



53.2649, 63.2722, 122.8650



78.6344, 63.2722, 64.7410

Complementary

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



50.9359, 63.2722, 36.3162



41.0456, 34.7141, 71.5585

Split Complementary

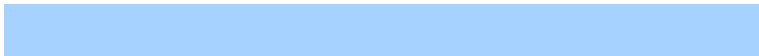
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.8306, 63.2722, 91.4769



50.9359, 63.2722, 36.3162



61.6303, 63.2722, 129.3796

Square

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



50.9359, 63.2722, 36.3162



47.3076, 63.2722, 100.6341



70.3873, 63.2722, 116.7373



75.1015, 63.2722, 44.6443

Rectangle

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



50.9359, 63.2722, 36.3162



44.7964, 63.2722, 64.7622



70.3873, 63.2722, 116.7373



78.6353, 63.2722, 73.1952

Sweetspot

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



50.9375, 63.2750, 36.3176



87.2712, 96.4332, 88.5091



49.8193, 48.0920, 33.4459



18.4587, 20.5390, 18.3792



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.



50.9375, 63.2750, 36.3176



67.8183, 87.4065, 42.3413



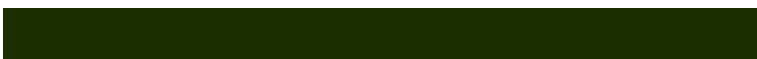
43.2378, 59.3056, 35.9572



13.5902, 14.9690, 13.8986



20.1016, 32.6602, 5.2446



1.4004, 2.1664, 0.3444

Inverse Universe

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



41.0456, 34.7141, 71.5585



51.7063, 40.8676, 99.7707



50.3063, 39.4882, 71.9919



12.8701, 12.8912, 16.4621



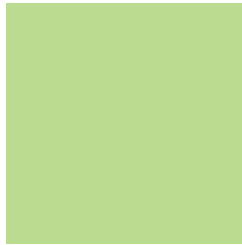
10.4826, 4.5282, 40.0599



0.7766, 0.3436, 2.5998

Previews

White Background



This preview shows how the XYZ color 50.9359, 63.2722, 36.3162 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 50.9359, 63.2722, 36.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

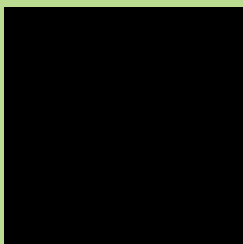
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

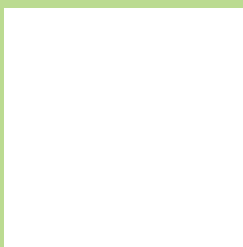
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.9359, 63.2722, 36.3162

Background



This preview shows how black text looks on a background with the XYZ color 50.9359, 63.2722, 36.3162.



This preview shows how white text looks on a background with the XYZ color 50.9359, 63.2722,

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

50.9359, 63.2722, 36.3162

Protanopia

58.3408, 63.0128, 33.8987

Deuteranopia

64.2060, 62.7909, 37.1696



Tritanopia

59.8166, 63.0977, 80.9779

Trichromacy



Original Color

50.9359, 63.2722, 36.3162

Protanomaly

55.2899, 62.8888, 34.8159

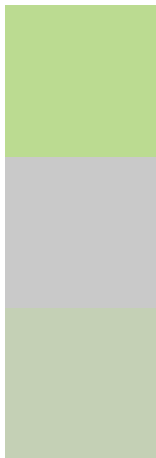
Deuteranomaly

58.4679, 62.2883, 36.9582

Tritanomaly

56.1204, 63.0891, 62.0429

Monochromacy



Original Color

50.9359, 63.2722, 36.3162

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.6613, 60.1837, 52.5044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9359, 63.2722, 36.3162 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(187, 219, 145)` looks like.

```
.text, #text, p{  
    color:rgb(187, 219, 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(187, 219, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 219, 145) }
```

Border

The CSS property to change the border of an element to XYZ 50.9359, 63.2722, 36.3162 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(187, 219, 145) }
```


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

```
.border{ border-color:rgb(187, 219, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 219, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 219, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 219, 145);  
box-shadow:4px 4px 4px 4px rgb(187, 219,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9359, 63.2722, 36.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 219, 145) }
```

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

```
.background{ background-color: rgb(187,  
219, 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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