

Converting Colors

XYZ(46.7170, 58.9284, 35.1885)

Have a look what the booklet for
XYZ(46.7170, 58.9284, 35.1885)
contains.

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Color

**XYZ(46.7328, 58.8322,
35.2782)**

Conversions

Conversions Part 1

Format	Color
Hex	B0D590
RGB	176, 213, 144
RGB Percent	69%, 84%, 56%
CMY	0.3098, 0.1647, 0.4353
CMYK	0.17, 0.00, 0.32, 0.16
HSL	92°, 45%, 70%
HSV	92°, 32%, 84%
XYZ	46.7328, 58.8322, 35.2782
YIQ	194.0710, 0.0970, -29.3030

Conversions

Conversions Part 2

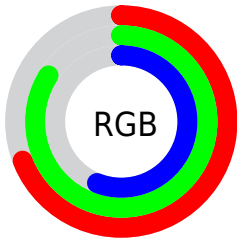
Format	Color
RYB	144, 213, 181
Decimal	11589008
CIELab	81.20, -24.33, 30.22
CIELCh	81, 38.793, 128.833
Yxy	58.8322, 0.3318, 0.4177
Android (android.graphics.Color)	4289779088 (0xFFB0D590)
YUV	194.0710, -24.6850, -15.8483
Hunter-Lab	76.7022, -25.4730, 26.4218

Details

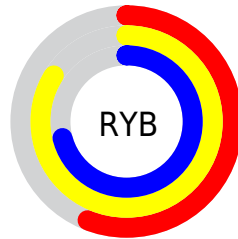
The XYZ color **46.7328, 58.8322, 35.2782** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.0419, 34.5760, 67.4646**, and the grayscale version is **51.4630, 54.1431, 58.9619**.

A 20% lighter version of the original color is **79.2318, 92.7530, 67.1532**, and **22.2287, 29.3816, 14.8556** is the 20% darker color. If you saturate the color by 10%, you get **42.7813, 56.9676, 27.3821**, and if you desaturate by 10%, it is **51.2118, 60.9368, 44.8047**.

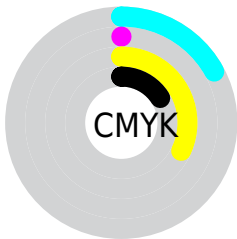
Distribution



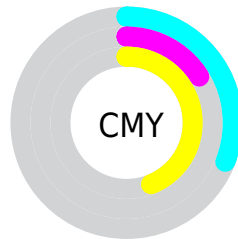
- Red (69%)
- Green (84%)
- Blue (56%)



- Red (56%)
- Yellow (84%)
- Blue (71%)



- Cyan (17%)
- Magenta (0%)
- Yellow (32%)
- Black (16%)





- Cyan (31%)
- Magenta (16%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7328, 58.8322, 35.2782 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 46.7328, 58.8322, 35.2782 by changing the saturation by 10% instead.


 46.7328, 58.8322,
35.2782

 46.7328, 58.8322,
35.2782


364.4137,
420.2798, 340.7361

 33.0315, 42.4781,
23.5920


 84.5358, 103.1337,
69.0730

 22.3100, 29.4758,
14.8218


 109.3683,
131.8499, 92.0186

 14.2027, 19.4411,
8.5492


138.6418,
165.4556, 119.5545

 8.3444, 11.9894,
4.3556

172.7219,
204.3351, 152.0991

 4.3698, 6.7365,
1.8224

211.9737,
248.8729, 190.0710

 1.9134, 3.2978,
0.4426

256.7627,

 0.5846, 1.2891,

299.4534, 233.8888

0.0000

307.4543,
356.4609, 283.9710

■ 0.0000, 0.1328,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.7328, 58.8322,
35.2782

■ 46.7328, 58.8322,
35.2782

■ 42.7813, 56.9676,
27.3821

■ 51.2118, 60.9368,
44.8047

■ 39.3303, 55.3258,
21.0212

■ 56.2351, 63.2829,
56.0421

■ 36.3566, 53.8987,
16.0962

■ 61.8238, 65.8814,
69.0702

■ 33.8332, 52.6749,
12.4946

■ 67.9967, 68.7404,
83.9626

■ 31.7295, 51.6415,
10.0872

■ 74.7717, 71.8677,
100.7887

■ 30.0098, 50.7835,
8.7186

■ 79.3405, 74.1403,
104.7366

■ 28.9167, 50.2310,
8.1715

■ 83.0854, 76.0709,
104.9118

Harmonies

Analogous

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



53.5668, 58.8322, 29.3886



46.7328, 58.8322, 35.2782



42.6479, 58.8322, 49.3003

Triad

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



46.7328, 58.8322, 35.2782



50.4949, 58.8322, 115.1417



72.7142, 58.8322, 57.4673

Complementary

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



46.7328, 58.8322, 35.2782



41.0419, 34.5760, 67.4646

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.



71.6900, 58.8322, 81.5015



46.7328, 58.8322, 35.2782



58.3375, 58.8322, 118.8376

Square

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



46.7328, 58.8322, 35.2782



44.6701, 58.8322, 96.1978



66.2347, 58.8322, 105.3357



68.9119, 58.8322, 40.0167

Rectangle

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



46.7328, 58.8322, 35.2782



41.7817, 58.8322, 63.1565



66.2347, 58.8322, 105.3357



72.9301, 58.8322, 64.9686

Sweetspot

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



46.7343, 58.8348, 35.2795



86.3595, 95.9632, 88.4664



48.9601, 49.1284, 33.2886



18.2382, 20.4254, 18.3689



0.0000, 0.0000, 0.0000



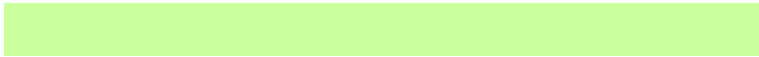
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7343, 58.8348, 35.2795



65.9901, 86.4154, 44.4549



40.5093, 55.6051, 35.9153



12.8043, 14.1753, 13.2220



17.7781, 30.7413, 4.9967



1.1672, 1.9031, 0.3058

Inverse Universe

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



41.0419, 34.5760, 67.4646



56.1242, 44.3843, 100.2167



49.1364, 38.7823, 66.3300



12.3723, 12.3333, 15.6660



11.7123, 5.1904, 38.8377



0.8015, 0.3621, 2.3470

Previews

White Background



This preview shows how the XYZ color 46.7328, 58.8322, 35.2782 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 46.7328, 58.8322, 35.2782 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

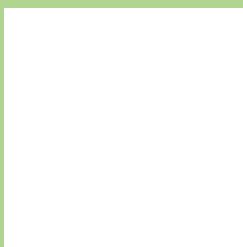
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7328, 58.8322, 35.2782

Background



This preview shows how black text looks on a background with the XYZ color 46.7328, 58.8322, 35.2782.



This preview shows how white text looks on a background with the XYZ color 46.7328, 58.8322,

35.2782.

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

46.7328, 58.8322, 35.2782

Protanopia

54.1621, 58.3891, 32.8417

Deuteranopia

59.6752, 58.4552, 36.1547



Tritanopia

54.7677, 58.4440, 76.1044

Trichromacy



Original Color

46.7328, 58.8322, 35.2782

Protanomaly

50.9962, 58.1423, 33.7341

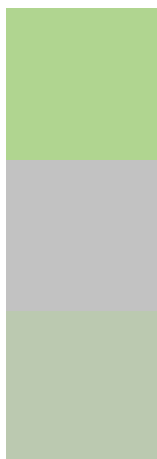
Deuteranomaly

53.9451, 57.8622, 35.9291

Tritanomaly

51.3557, 58.4987, 58.4538

Monochromacy



Original Color

46.7328, 58.8322, 35.2782

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.2166, 55.4727, 49.1876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7328, 58.8322, 35.2782 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(176, 213, 144)` looks like.

```
.text, #text, p{  
    color:rgb(176, 213, 144)  
}
```

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(176, 213, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 213, 144) }
```

Border

The CSS property to change the border of an element to XYZ 46.7328, 58.8322, 35.2782 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(176, 213, 144) }
```


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

```
.border{ border-color:rgb(176, 213, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 213, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 213, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 213, 144);  
box-shadow:4px 4px 4px 4px rgb(176, 213,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7328, 58.8322, 35.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 213, 144) }
```

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

```
.background{ background-color: rgb(176,  
213, 144) }
```

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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