

Converting Colors

XYZ(46.4234, 58.9849, 35.7562)

Have a look what the booklet for
XYZ(46.4234, 58.9849, 35.7562)
contains.

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Color

**XYZ(46.3910, 59.0217,
35.7353)**

Conversions

Conversions Part 1

Format	Color
Hex	ADD691
RGB	173, 214, 145
RGB Percent	68%, 84%, 57%
CMY	0.3216, 0.1608, 0.4314
CMYK	0.19, 0.00, 0.32, 0.16
HSL	96°, 46%, 70%
HSV	96°, 32%, 84%
XYZ	46.3910, 59.0217, 35.7353
YIQ	193.8750, -2.2870, -30.1510

Conversions

Conversions Part 2

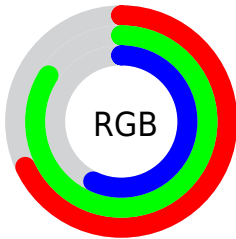
Format	Color
RYB	145, 214, 186
Decimal	11392657
CIELab	81.30, -25.74, 29.81
CIELCh	81, 39.383, 130.811
Yxy	59.0217, 0.3287, 0.4182
Android (android.graphics.Color)	4289582737 (0xFFADD691)
YUV	193.8750, -24.0954, -18.3074
Hunter-Lab	76.8256, -26.6578, 26.1993

Details

The XYZ color **46.3910, 59.0217, 35.7353** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.5151, 35.5466, 68.2419**, and the grayscale version is **51.3445, 54.0185, 58.8261**.

A 20% lighter version of the original color is **78.3819, 92.3015, 67.7176**, and **22.0263, 29.5264, 15.1279** is the 20% darker color. If you saturate the color by 10%, you get **42.2147, 57.0436, 27.7225**, and if you desaturate by 10%, it is **51.1489, 61.2673, 45.4002**.

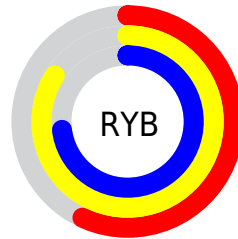
Distribution



Red (68%)

Green (84%)

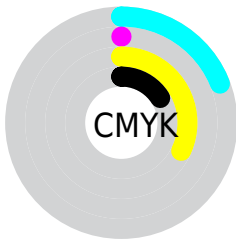
Blue (57%)



Red (57%)

Yellow (84%)

Blue (73%)

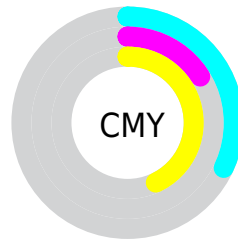


Cyan (19%)

Magenta (0%)

Yellow (32%)

Black (16%)



Cyan (32%)


Magenta (16%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3910, 59.0217, 35.7353 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 46.3910, 59.0217, 35.7353 by changing the saturation by 10% instead.


 46.3910, 59.0217,
35.7353

 46.3910, 59.0217,
35.7353


363.0680,
420.9823, 342.8045

 32.7604, 42.6306,
23.9418


 84.0281, 103.4092,
69.7878

 22.1013, 29.5954,
15.0786


 108.7654,
132.1744, 92.8837

 14.0484, 19.5317,
8.7273


137.9356,
165.8330, 120.5843

 8.2363, 12.0551,
4.4694

171.9041,
204.7696, 153.3080

 4.2996, 6.7812,
1.8862

211.0362,
249.3684, 191.4733

 1.8730, 3.3256,
0.4839

255.6973,

 0.5611, 1.3040,

300.0138, 235.4988

0.0000

306.2528,
357.0904, 285.8030

■ 0.0000, 0.1443,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.3910, 59.0217,
35.7353

■ 46.3910, 59.0217,
35.7353

■ 42.2147, 57.0436,
27.7225

■ 51.1489, 61.2673,
45.4002

■ 38.5905, 55.3144,
21.2656

■ 56.5071, 63.7828,
56.7988

■ 35.4930, 53.8251,
16.2640

■ 62.4891, 66.5804,
70.0116

■ 32.8925, 52.5628,
12.6043

■ 69.1155, 69.6690,
85.1131

■ 30.7556, 51.5131,
10.1557

■ 76.4060, 73.0574,
102.1736

■ 29.0436, 50.6596,
8.7616

■ 81.2727, 75.5109,
104.8993

■ 27.9629, 50.1138,
8.1991

■ 83.3378, 76.5755,
104.9959

Harmonies

Analogous

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



53.1862, 59.0217, 29.2720



46.3910, 59.0217, 35.7353



42.4578, 59.0217, 50.5067

Triad

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



46.3910, 59.0217, 35.7353



51.0627, 59.0217, 117.1857



73.0967, 59.0217, 56.1441

Complementary

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



46.3910, 59.0217, 35.7353



42.5151, 35.5466, 68.2419

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.



72.3861, 59.0217, 80.3183



46.3910, 59.0217, 35.7353



59.1149, 59.0217, 119.7589

Square

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



46.3910, 59.0217, 35.7353



44.9674, 59.0217, 98.6141



67.0734, 59.0217, 104.9667



68.9295, 59.0217, 38.9914

Rectangle

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



46.3910, 59.0217, 35.7353



41.7341, 59.0217, 64.9069



67.0734, 59.0217, 104.9667



73.4299, 59.0217, 63.6265

Sweetspot

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



46.3925, 59.0243, 35.7366



85.8560, 95.7036, 88.4428



50.2460, 51.1454, 34.0127



18.1167, 20.3627, 18.3632



0.0000, 0.0000, 0.0000



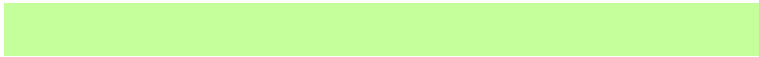
20.3446, 21.4041, 23.3091

Same Dimension

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



46.3925, 59.0243, 35.7366



64.4624, 85.6278, 44.3834



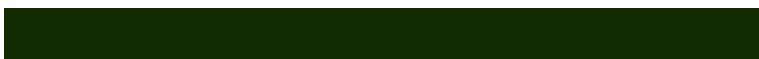
41.2910, 56.3418, 37.8716



12.7347, 14.1395, 13.2187



17.0119, 30.3463, 4.9608



1.1185, 1.8780, 0.3035

Inverse Universe

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



42.5151, 35.5466, 68.2419



57.7839, 45.2399, 100.2944



49.2752, 39.1149, 64.7917



12.4430, 12.3698, 15.6693



12.7623, 5.7317, 38.8868



0.8624, 0.3935, 2.3498

Previews

White Background



This preview shows how the XYZ color 46.3910, 59.0217, 35.7353 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 46.3910, 59.0217, 35.7353 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 46.3910, 59.0217, 35.7353

Background



This preview shows how black text looks on a background with the XYZ color 46.3910, 59.0217, 35.7353.



This preview shows how white text looks on a background with the XYZ color 46.3910, 59.0217,

35.7353.

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

46.3910, 59.0217, 35.7353

Protanopia

54.5337, 58.5722, 33.2423

Deuteranopia

59.8349, 58.5191, 36.9958



Tritanopia

54.6516, 58.7205, 76.8604

Trichromacy



Original Color

46.3910, 59.0217, 35.7353

Protanomaly

51.3109, 58.6522, 34.2078

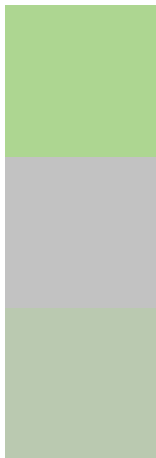
Deuteranomaly

53.9635, 58.2075, 36.4080

Tritanomaly

51.2376, 58.7858, 59.0984

Monochromacy



Original Color

46.3910, 59.0217, 35.7353

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

48.9728, 55.3470, 49.1762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3910, 59.0217, 35.7353 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(173, 214, 145)` looks like.

```
.text, #text, p{  
    color:rgb(173, 214, 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(173, 214, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 214, 145) }
```

Border

The CSS property to change the border of an element to XYZ 46.3910, 59.0217, 35.7353 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(173, 214, 145) }
```


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

```
.border{ border-color:rgb(173, 214, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 214, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 214, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 214, 145);  
box-shadow:4px 4px 4px 4px rgb(173, 214,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3910, 59.0217, 35.7353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 214, 145) }
```

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

```
.background{ background-color: rgb(173,  
214, 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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