

Converting Colors

XYZ(45.3296, 47.9916, 59.5783)

Have a look what the booklet for
XYZ(45.3296, 47.9916, 59.5783)
contains.

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Color

**XYZ(45.3315, 47.9592,
59.6912)**

Conversions

Conversions Part 1

Format	Color
Hex	B0B9C5
RGB	176, 185, 197
RGB Percent	69%, 73%, 77%
CMY	0.3098, 0.2745, 0.2274
CMYK	0.11, 0.06, 0.00, 0.23
HSL	214°, 15%, 73%
HSV	214°, 11%, 77%
XYZ	45.3315, 47.9592, 59.6912
YIQ	183.6770, -9.2160, 1.8240

Conversions

Conversions Part 2

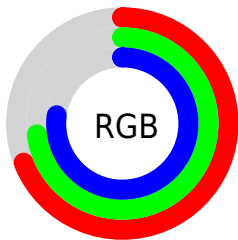
Format	Color
RYB	176, 182, 197
Decimal	11581893
CIELab	74.80, -0.72, -7.14
CIELCh	75, 7.173, 264.212
Yxy	47.9592, 0.2963, 0.3135
Android (android.graphics.Color)	4289771973 (0xFFB0B9C5)
YUV	183.6770, 6.5682, -6.7327
Hunter-Lab	69.2526, -4.3491, -2.6273

Details

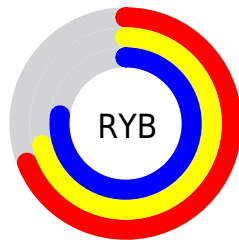
The XYZ color **45.3315, 47.9592, 59.6912** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.8460, 50.9712, 48.3392**, and the grayscale version is **45.3515, 47.7133, 51.9598**.

A 20% lighter version of the original color is **82.6234, 87.2222, 106.2468**, and **21.3776, 22.6967, 29.2408** is the 20% darker color. If you saturate the color by 10%, you get **38.9346, 41.3046, 58.7446**, and if you desaturate by 10%, it is **52.5641, 55.3239, 60.7323**.

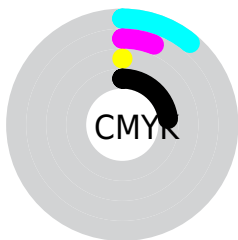
Distribution



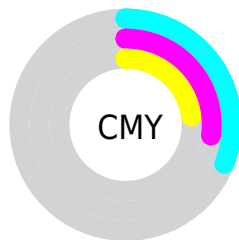
- Red (69%)
- Green (73%)
- Blue (77%)



- Red (69%)
- Yellow (71%)
- Blue (77%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (23%)



- Cyan (31%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3315, 47.9592, 59.6912 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 45.3315, 47.9592, 59.6912 by changing the saturation by 10% instead.

■ 45.3315, 47.9592,
59.6912

■ 45.3315, 47.9592,
59.6912

358.8756,
378.6304, 441.2316

■ 31.9210, 33.7946,
42.7461

■ 82.4516, 87.1437,
105.9206

■ 21.4564, 22.7358,
29.3560

106.8920,
112.9323, 136.0419

■ 13.5724, 14.3986,
19.1024

135.7397,
143.3644, 171.3925

■ 7.9036, 8.3984,
11.5668

169.3601,
178.8243, 212.3907

■ 4.0846, 4.3509,
6.3305

208.1185,
219.6965, 259.4552

■ 1.7501, 1.8717,
2.9750

252.3804,

■ 0.4873, 0.5313,

266.3653, 313.0045

1.0819

302.5109,
319.2151, 373.4571

■ 0.0000, 0.0000,
0.0000

■ 45.3315, 47.9592,
59.6912

■ 45.3315, 47.9592,
59.6912

■ 38.9346, 41.3046,
58.7446

■ 52.5641, 55.3239,
60.7323

■ 33.3371, 35.3312,
57.8867

■ 60.6583, 63.4144,
61.8673

■ 28.5062, 30.0167,
57.1155

■ 69.6441, 72.2533,
63.0998

■ 24.4052, 25.3353,
56.4280

■ 79.5489, 81.8606,
64.4321

■ 20.9940, 21.2593,
55.8211

■ 82.8560, 88.3670,
65.5137

■ 18.2283, 17.7583,
55.2911

■ 86.2964, 95.2477,
66.6605

■ 16.0579, 14.7987,
54.8342

■ 87.0782, 96.8113,
66.9211

■ 14.4242, 12.3418,
54.4461

■ 13.2837, 10.4423,
54.1396

Harmonies

Analogous

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



44.1338, 47.9592, 58.2611



45.3315, 47.9592, 59.6912



46.6194, 47.9592, 59.0433

Triad

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



45.3315, 47.9592, 59.6912



47.9080, 47.9592, 49.3306



43.5808, 47.9592, 48.1334

Complementary

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



45.3315, 47.9592, 59.6912



48.8460, 50.9712, 48.3392

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.



44.5636, 47.9592, 45.9427



45.3315, 47.9592, 59.6912



47.0652, 47.9592, 46.6105

Square

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



45.3315, 47.9592, 59.6912



48.1231, 47.9592, 52.9466



45.8370, 47.9592, 45.3987



43.1354, 47.9592, 51.4989

Rectangle

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



45.3315, 47.9592, 59.6912



47.3539, 47.9592, 57.5351



45.8370, 47.9592, 45.3987



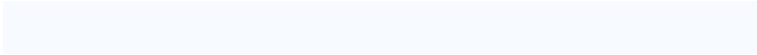
43.8583, 47.9592, 47.2417

Sweetspot

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



45.3329, 47.9612, 59.6923



90.9129, 95.8209, 108.3114



46.9379, 52.7900, 55.2369



19.2276, 20.2749, 23.1500



0.0000, 0.0000, 0.0000



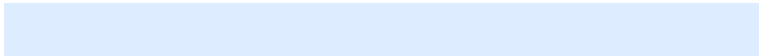
20.3446, 21.4041, 23.3091

Same Dimension

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



45.3329, 47.9612, 59.6923



78.1413, 82.7520, 106.4620



43.8270, 44.4770, 59.0991



10.4243, 11.0227, 13.4957



8.8166, 7.0271, 35.6360



0.4890, 0.4759, 1.7112

Inverse Universe

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



47.3094, 46.4248, 52.3686



82.4706, 79.4826, 90.3984



50.4646, 54.7501, 48.9833



10.8194, 10.7112, 12.0325



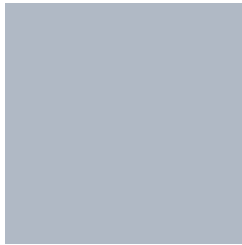
16.2495, 8.2494, 6.5239



0.8055, 0.4051, 0.4991

Previews

White Background



This preview shows how the XYZ color 45.3315, 47.9592, 59.6912 looks on a white background.

Color Contrast Check

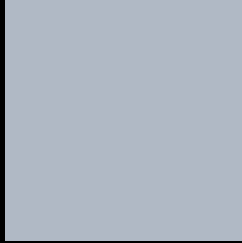
Large Text (above 18pt) WCAG AA × Fail

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 45.3315, 47.9592, 59.6912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

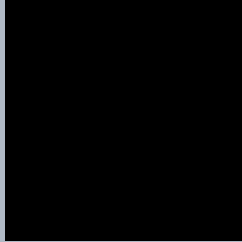
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

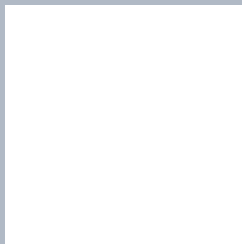
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3315, 47.9592, 59.6912

Background



This preview shows how black text looks on a background with the XYZ color 45.3315, 47.9592, 59.6912.

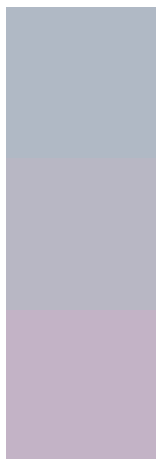


This preview shows how white text looks on a background with the XYZ color 45.3315, 47.9592,

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

45.3315, 47.9592, 59.6912

Protanopia

46.6645, 48.0428, 59.0383

Deuteranopia

48.8188, 47.9195, 60.1024



Tritanopia

45.5623, 48.0516, 60.9063

Trichromacy



Original Color

45.3315, 47.9592, 59.6912

Protanomaly

46.1604, 48.0903, 59.0740

Deuteranomaly

47.4560, 47.8163, 60.1544

Tritanomaly

45.4465, 48.0052, 60.2967

Monochromacy



Original Color

45.3315, 47.9592, 59.6912

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.3819, 47.7789, 54.9745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3315, 47.9592, 59.6912 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, 185, 197)` looks like.

```
.text, #text, p{  
    color:rgb(176, 185, 197)  
}
```

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, 185, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 185, 197) }
```

Border

The CSS property to change the border of an element to XYZ 45.3315, 47.9592, 59.6912 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, 185, 197) }
```


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

```
.border{ border-color:rgb(176, 185, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 185, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 185, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 185, 197);  
box-shadow:4px 4px 4px 4px rgb(176, 185,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3315, 47.9592, 59.6912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 185, 197) }
```

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

```
.background{ background-color: rgb(176,  
185, 197) }
```

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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