

Converting Colors

XYZ(45.2022, 49.2304, 59.3163)

Have a look what the booklet for
XYZ(45.2022, 49.2304, 59.3163)
contains.

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Color

**XYZ(45.1747, 49.1514,
59.3308)**

Conversions

Conversions Part 1

Format	Color
Hex	ACBDC4
RGB	172, 189, 196
RGB Percent	67%, 74%, 77%
CMY	0.3255, 0.2588, 0.2314
CMYK	0.12, 0.04, 0.00, 0.23
HSL	197°, 17%, 72%
HSV	197°, 12%, 77%
XYZ	45.1747, 49.1514, 59.3308
YIQ	184.7150, -12.3790, -1.4270

Conversions

Conversions Part 2

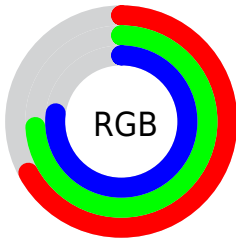
Format	Color
R _{YB}	172, 182, 196
Decimal	11320772
CIE Lab	75.55, -4.39, -5.52
CIE LCh	76, 7.053, 231.498
Yxy	49.1514, 0.2940, 0.3199
Android (android.graphics.Color)	4289510852 (0xFFACBDC4)
YUV	184.7150, 5.5635, -11.1511
Hunter-Lab	70.1081, -7.6712, -1.1001

Details

The XYZ color **45.1747, 49.1514, 59.3308** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.3318, 46.9544, 45.6518**, and the grayscale version is **45.9320, 48.3240, 52.6249**.

A 20% lighter version of the original color is **82.3769, 88.8906, 105.7444**, and **21.4324, 23.5544, 29.0080** is the 20% darker color. If you saturate the color by 10%, you get **39.9815, 44.6864, 58.7435**, and if you desaturate by 10%, it is **51.0537, 54.0444, 59.9662**.

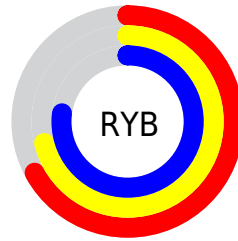
Distribution



Red (67%)

Green (74%)

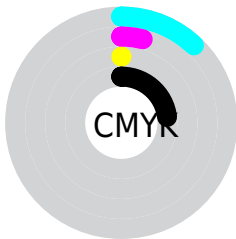
Blue (77%)



Red (67%)

Yellow (71%)

Blue (77%)

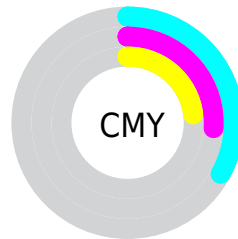


Cyan (12%)

Magenta (4%)

Yellow (0%)

Black (23%)



Cyan (33%)

Magenta (26%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1747, 49.1514, 59.3308 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 45.1747, 49.1514, 59.3308 by changing the saturation by 10% instead.

■ 45.1747, 49.1514,
59.3308

■ 45.1747, 49.1514,
59.3308

358.2524,
383.3380, 439.8627

■ 31.7969, 34.7396,
42.4577

■ 82.2180, 88.9163,
105.3921

■ 21.3612, 23.4624,
29.1316

106.6141,
115.0381, 135.4175

■ 13.5023, 14.9353,
18.9340

135.4138,
145.8321, 170.6640

■ 7.8547, 8.7740,
11.4462

168.9824,
181.6827, 211.5501

■ 4.0531, 4.5940,
6.2499

207.6852,
222.9741, 258.4946

■ 1.7322, 2.0111,
2.9264

251.8876,

■ 0.4763, 0.6139,

270.0909, 311.9158

1.0572

301.9549,
323.4174, 372.2323

■ 0.0000, 0.0000,
0.0000

■ 45.1747, 49.1514,
59.3308

■ 45.1747, 49.1514,
59.3308

■ 39.9815, 44.6864,
58.7435

■ 51.0537, 54.0444,
59.9662

■ 35.4415, 40.6280,
58.1994

■ 57.6406, 59.3739,
60.6477

■ 31.5260, 36.9617,
57.6981

■ 64.9621, 65.1554,
61.3777

■ 28.2021, 33.6698,
57.2379

■ 73.0417, 71.4021,
62.1576

■ 25.4339, 30.7330,
56.8169

■ 76.1658, 75.1692,
62.7201

■ 23.1812, 28.1296,
56.4331

■ 77.6695, 78.1767,
63.2214

■ 21.3982, 25.8351,
56.0842

■ 79.2249, 81.2874,
63.7398

■ 20.0300, 23.8204,
55.7675

■ 80.8323, 84.5022,
64.2756

■ 19.1758, 22.4092,
55.5401

■ 82.4922, 87.8221,
64.8289

Harmonies

Analogous

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



44.4247, 49.1514, 56.1901



45.1747, 49.1514, 59.3308



46.3476, 49.1514, 60.9313

Triad

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



45.1747, 49.1514, 59.3308



49.2386, 49.1514, 54.5852



45.8049, 49.1514, 47.1159

Complementary

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



45.1747, 49.1514, 59.3308



46.3318, 46.9544, 45.6518

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.



47.0883, 49.1514, 46.7309



45.1747, 49.1514, 59.3308



49.0867, 49.1514, 50.9311

Square

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



45.1747, 49.1514, 59.3308



48.7050, 49.1514, 58.1093



48.2939, 49.1514, 48.0969



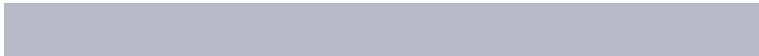
44.7838, 49.1514, 49.1743

Rectangle

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



45.1747, 49.1514, 59.3308



47.2181, 49.1514, 60.8603



48.2939, 49.1514, 48.0969



46.2193, 49.1514, 46.7904

Sweetspot

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



45.1761, 49.1535, 59.3319



90.4551, 96.2338, 108.4152



44.8705, 51.4980, 50.1179



19.1812, 20.4495, 23.1861



0.0000, 0.0000, 0.0000



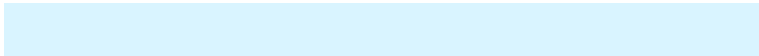
20.3446, 21.4041, 23.3091

Same Dimension

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



45.1761, 49.1535, 59.3319



78.8960, 86.5434, 107.1540



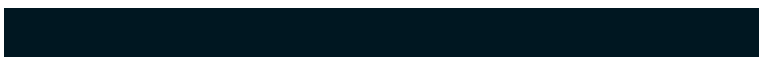
42.7397, 44.2805, 58.5197



10.1125, 10.9163, 12.8589



12.3983, 14.5531, 35.7122



0.5927, 0.7429, 1.5620

Inverse Universe

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



46.7040, 44.9160, 54.3546



82.2945, 77.2793, 96.0460



48.7994, 51.8896, 46.4744



10.3681, 10.1958, 12.0288



17.6541, 8.7514, 16.6222



0.7916, 0.3896, 0.8698

Previews

White Background



This preview shows how the XYZ color 45.1747, 49.1514, 59.3308 looks on a white background.

Color Contrast Check

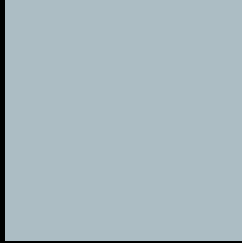
Large Text (above 18pt) WCAG AA × Fail

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 45.1747, 49.1514, 59.3308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

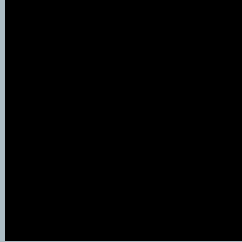
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

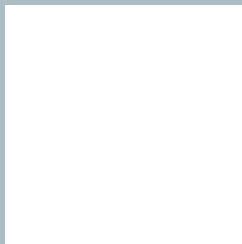
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.1747, 49.1514, 59.3308

Background



This preview shows how black text looks on a background with the XYZ color 45.1747, 49.1514, 59.3308.



This preview shows how white text looks on a background with the XYZ color 45.1747, 49.1514,

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

45.1747, 49.1514, 59.3308

Protanopia

47.4681, 49.1130, 57.4300

Deuteranopia

49.8030, 48.7255, 60.2061



Tritanopia

45.9963, 49.1625, 63.5650

Trichromacy



Original Color

45.1747, 49.1514, 59.3308

Protanomaly

46.5879, 48.9579, 58.0333

Deuteranomaly

47.9978, 48.7170, 59.6969

Tritanomaly

45.6421, 49.0208, 61.6999

Monochromacy



Original Color

45.1747, 49.1514, 59.3308

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.5666, 48.4952, 55.1030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1747, 49.1514, 59.3308 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(172, 189, 196) looks like.

```
.text, #text, p{  
    color:rgb(172, 189, 196)  
}
```

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(172, 189, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 189, 196) }
```

Border

The CSS property to change the border of an element to XYZ 45.1747, 49.1514, 59.3308 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(172, 189, 196) }
```


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

```
.border{ border-color:rgb(172, 189, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 189, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 189, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 189, 196); box-shadow:4px 4px 4px 4px rgb(172, 189, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1747, 49.1514, 59.3308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 189, 196) }
```

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

```
.background{ background-color: rgb(172,  
189, 196) }
```

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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