

Converting Colors

XYZ(45.9720, 51.1981, 60.3634)

Have a look what the booklet for
XYZ(45.9720, 51.1981, 60.3634)
contains.

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Color

**XYZ(45.9474, 51.1608,
60.2767)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC2C5
RGB	170, 194, 197
RGB Percent	67%, 76%, 77%
CMY	0.3333, 0.2392, 0.2274
CMYK	0.14, 0.02, 0.00, 0.23
HSL	187°, 19%, 72%
HSV	187°, 14%, 77%
XYZ	45.9474, 51.1608, 60.2767
YIQ	187.1660, -15.2670, -4.1550

Conversions

Conversions Part 2

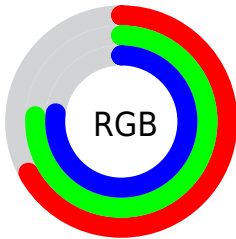
Format	Color
RYB	170, 183, 197
Decimal	11190981
CIELab	76.78, -7.48, -4.26
CIELCh	77, 8.612, 209.654
Yxy	51.1608, 0.2919, 0.3251
Android (android.graphics.Color)	4289381061 (0xFFAAC2C5)
YUV	187.1660, 4.8482, -15.0546
Hunter-Lab	71.5268, -10.5070, 0.1042

Details

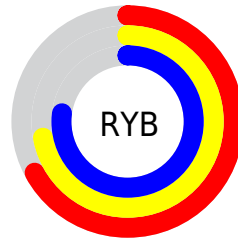
The XYZ color **45.9474, 51.1608, 60.2767** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.2256, 44.6597, 44.2677**, and the grayscale version is **47.3086, 49.7723, 54.2021**.

A 20% lighter version of the original color is **83.1263, 91.5345, 107.0526**, and **21.8072, 24.5909, 29.5838** is the 20% darker color. If you saturate the color by 10%, you get **41.5210, 48.1630, 59.9322**, and if you desaturate by 10%, it is **51.0221, 54.5062, 60.6558**.

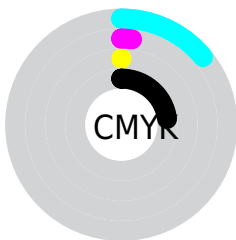
Distribution



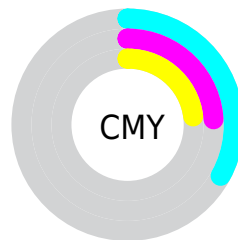
- Red (67%)
- Green (76%)
- Blue (77%)



- Red (67%)
- Yellow (72%)
- Blue (77%)



- Cyan (14%)
- Magenta (2%)
- Yellow (0%)
- Black (23%)



- Cyan (33%)
- Magenta (24%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9474, 51.1608, 60.2767 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 45.9474, 51.1608, 60.2767 by changing the saturation by 10% instead.

■ 45.9474, 51.1608,
60.2767

■ 45.9474, 51.1608,
60.2767

361.3166,
391.1882, 443.4499

■ 32.4088, 36.3366,
43.2149

■ 83.3686, 91.8924,
106.7783

■ 21.8310, 24.6943,
29.7212

107.9819,
118.5686, 137.0551

■ 13.8487, 15.8494,
19.3768

137.0175,
149.9643, 172.5741

■ 8.0965, 9.4177,
11.7633

170.8406,
186.4638, 213.7538

■ 4.2091, 5.0146,
6.4621

209.8168,
228.4515, 261.0126

■ 1.8211, 2.2558,
3.0548

254.3113,

■ 0.5303, 0.7502,

276.3119, 314.7693

1.1227

304.6894,
330.4294, 375.4421

■ 0.0000, 0.0000,
0.0000

■ 45.9474, 51.1608,
60.2767

■ 45.9474, 51.1608,
60.2767

■ 41.5210, 48.1630,
59.9322

■ 51.0221, 54.5062,
60.6558

■ 37.7101, 45.4917,
59.6174

■ 56.7673, 58.2066,
61.0672

■ 34.4858, 43.1333,
59.3321

■ 63.2094, 62.2770,
61.5133

■ 31.8150, 41.0708,
59.0748

■ 70.3722, 66.7296,
61.9953

■ 29.6614, 39.2853,
58.8437

■ 73.1350, 68.9248,
62.2734

■ 27.9840, 37.7558,
58.6369

■ 73.6616, 69.9781,
62.4489

■ 26.7360, 36.4580,
58.4521

■ 74.1956, 71.0461,
62.6269

■ 25.8606, 35.3626,
58.2868

■ 74.7369, 72.1288,
62.8074

■ 25.4337, 34.7423,
58.1896

■ 75.2857, 73.2263,
62.9903

Harmonies

Analogous

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



45.5524, 51.1608, 55.6512



45.9474, 51.1608, 60.2767



47.0568, 51.1608, 63.8365

Triad

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



45.9474, 51.1608, 60.2767



51.3887, 51.1608, 60.3758



48.6458, 51.1608, 47.1838

Complementary

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



45.9474, 51.1608, 60.2767



45.2256, 44.6597, 44.2677

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.



50.2314, 51.1608, 48.2958



45.9474, 51.1608, 60.2767



51.8365, 51.1608, 55.7597

Square

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



45.9474, 51.1608, 60.2767



50.1978, 51.1608, 63.8960



51.4084, 51.1608, 51.3713



47.0889, 51.1608, 48.2465

Rectangle

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



45.9474, 51.1608, 60.2767



48.0648, 51.1608, 65.0337



51.4084, 51.1608, 51.3713



49.1932, 51.1608, 47.3147

Sweetspot

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



45.9489, 51.1629, 60.2778



91.0363, 97.3962, 108.6090



44.0586, 51.4850, 46.9996



19.3287, 20.7445, 23.2353



0.0000, 0.0000, 0.0000



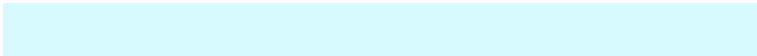
20.3446, 21.4041, 23.3091

Same Dimension

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



45.9489, 51.1629, 60.2778



80.1720, 90.2103, 107.7946



43.1398, 45.5447, 59.3415



10.8423, 11.8587, 13.6350



16.7668, 22.9275, 38.2861



0.8233, 1.1444, 1.8227

Inverse Universe

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



47.1395, 44.5159, 57.1492



82.6664, 76.3861, 101.2168



47.8836, 49.9757, 45.1537



11.0304, 10.7956, 13.1435



20.2624, 9.8545, 27.6555



0.9743, 0.4726, 1.3877

Previews

White Background



This preview shows how the XYZ color 45.9474, 51.1608, 60.2767 looks on a white background.

Color Contrast Check

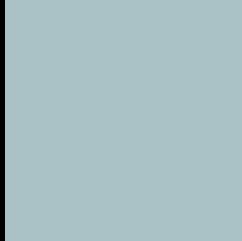
Large Text (above 18pt) WCAG AA × Fail

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 45.9474, 51.1608, 60.2767 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

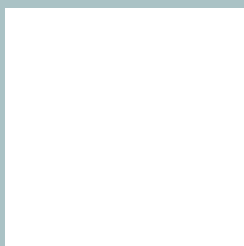
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9474, 51.1608, 60.2767

Background



This preview shows how black text looks on a background with the XYZ color 45.9474, 51.1608, 60.2767.



This preview shows how white text looks on a background with the XYZ color 45.9474, 51.1608,

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

45.9474, 51.1608, 60.2767

Protanopia

49.2067, 50.9378, 58.2775

Deuteranopia

52.0779, 51.1010, 61.1515



Tritanopia

47.2481, 51.0240, 67.0329

Trichromacy



Original Color

45.9474, 51.1608, 60.2767

Protanomaly

47.7922, 50.8343, 58.9228

Deuteranomaly

49.6621, 51.1200, 60.6758

Tritanomaly

46.7636, 51.1575, 64.5364

Monochromacy



Original Color

45.9474, 51.1608, 60.2767

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.8735, 50.4123, 56.5503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9474, 51.1608, 60.2767 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(170, 194, 197)` looks like.

```
.text, #text, p{  
    color:rgb(170, 194, 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(170, 194, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 194, 197) }
```

Border

The CSS property to change the border of an element to XYZ 45.9474, 51.1608, 60.2767 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(170, 194, 197) }
```


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

```
.border{ border-color:rgb(170, 194, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 194, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 194, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 194, 197);  
box-shadow:4px 4px 4px 4px rgb(170, 194,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9474, 51.1608, 60.2767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 194, 197) }
```

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

```
.background{ background-color: rgb(170,  
194, 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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