

Converting Colors

XYZ(45.2414, 51.8114, 59.8430)

Have a look what the booklet for
XYZ(45.2414, 51.8114, 59.8430)
contains.

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Color

**XYZ(45.2399, 51.8105,
59.8406)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C5C4
RGB	164, 197, 196
RGB Percent	64%, 77%, 77%
CMY	0.3569, 0.2274, 0.2314
CMYK	0.17, 0.00, 0.01, 0.23
HSL	178°, 22%, 71%
HSV	178°, 17%, 77%
XYZ	45.2399, 51.8105, 59.8406
YIQ	187.0190, -19.3470, -7.3070

Conversions

Conversions Part 2

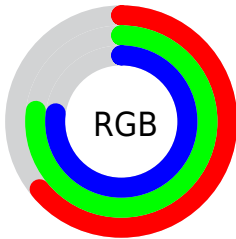
Format	Color
RYB	164, 181, 197
Decimal	10798532
CIELab	77.17, -11.19, -3.19
CIElCh	77, 11.640, 195.904
Yxy	51.8105, 0.2884, 0.3302
Android (android.graphics.Color)	4288988612 (0xFFA4C5C4)
YUV	187.0190, 4.4276, -20.1877
Hunter-Lab	71.9795, -13.7750, 1.0946

Details

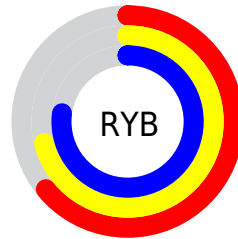
The XYZ color **45.2399, 51.8105, 59.8406** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.0948, 41.1393, 41.2689**, and the grayscale version is **47.2296, 49.6892, 54.1116**.

A 20% lighter version of the original color is **82.3849, 93.0355, 106.5440**, and **21.3870, 25.0427, 29.2977** is the 20% darker color. If you saturate the color by 10%, you get **41.4175, 49.8492, 59.3079**, and if you desaturate by 10%, it is **49.6954, 54.1009, 60.4066**.

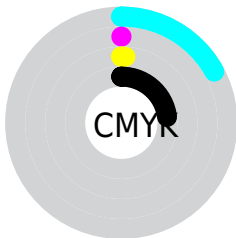
Distribution



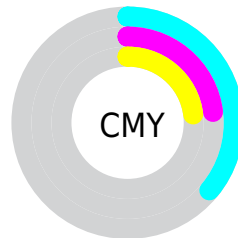
- Red (64%)
- Green (77%)
- Blue (77%)



- Red (64%)
- Yellow (71%)
- Blue (77%)



- Cyan (17%)
- Magenta (0%)
- Yellow (1%)
- Black (23%)



- Cyan (36%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2399, 51.8105, 59.8406 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 45.2399, 51.8105, 59.8406 by changing the saturation by 10% instead.

■ 45.2399, 51.8105,
59.8406

■ 45.2399, 51.8105,
59.8406

358.5117,
393.7046, 441.7983

■ 31.8485, 36.8540,
42.8657

■ 82.3151, 92.8517,
106.1395

■ 21.4008, 25.0945,
29.4491

■ 106.7297,
119.7053, 136.3006

■ 13.5314, 16.1475,
19.1724

135.5494,
151.2933, 171.6942

■ 7.8750, 9.6286,
11.6168

169.1395,
188.0002, 212.7388

■ 4.0662, 5.1534,
6.3640

207.8654,
230.2104, 259.8530

■ 1.7397, 2.3375,
2.9953

252.0925,

■ 0.4809, 0.7935,

278.3083, 313.4553

1.0922

302.1862,
332.6782, 373.9642

■ 0.0000, 0.0000,
0.0000

■ 45.2399, 51.8105,
59.8406

■ 45.2399, 51.8105,
59.8406

■ 41.4175, 49.8492,
59.3079

■ 49.6954, 54.1009,
60.4066

■ 38.1947, 48.1956,
58.8035

■ 54.8064, 56.7278,
61.0035

■ 35.5420, 46.8359,
58.3273

■ 60.6000, 59.7066,
61.6339

■ 33.4253, 45.7524,
57.8775

■ 67.1003, 63.0496,
62.2987

■ 31.8070, 44.9259,
57.4525

■ 71.5153, 65.3176,
62.8674

■ 30.6449, 44.3345,
57.0502

■ 71.5849, 65.3454,
63.2341

■ 29.8893, 43.9527,
56.6684

■ 71.6548, 65.3734,
63.6023

■ 29.4747, 43.7466,
56.3039

■ 71.7250, 65.4015,
63.9719

■ 29.3732, 43.6968,
56.1874

■ 71.7955, 65.4296,
64.3430

Harmonies

Analogous

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



45.2068, 51.8105, 53.4785



45.2399, 51.8105, 59.8406



46.3243, 51.8105, 65.6865

Triad

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



45.2399, 51.8105, 59.8406



52.3841, 51.8105, 65.3840



50.2946, 51.8105, 45.3349

Complementary

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



45.2399, 51.8105, 59.8406



43.0948, 41.1393, 41.2689

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.



52.2845, 51.8105, 48.0558



45.2399, 51.8105, 59.8406



53.5153, 51.8105, 59.4525

Square

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



45.2399, 51.8105, 59.8406



50.4271, 51.8105, 69.0479



53.4783, 51.8105, 53.1185



48.0802, 51.8105, 45.4216

Rectangle

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



45.2399, 51.8105, 59.8406



47.5167, 51.8105, 68.3646



53.4783, 51.8105, 53.1185



51.0133, 51.8105, 45.9421

Sweetspot

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



45.2414, 51.8126, 59.8418



90.4515, 97.6366, 108.3596



42.2065, 50.6250, 42.6700



19.2273, 20.8299, 23.1774



0.0000, 0.0000, 0.0000



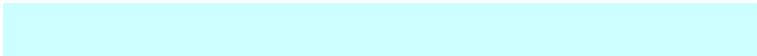
20.3446, 21.4041, 23.3091

Same Dimension

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



45.2414, 51.8126, 59.8418



78.4634, 91.4780, 106.8269



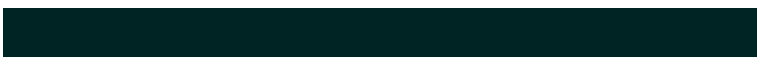
42.0355, 45.2177, 59.3381



10.9323, 12.0618, 13.5934



19.3252, 28.7424, 36.9864



0.9195, 1.3627, 1.7749

Inverse Universe

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



43.0948, 41.1393, 41.2689



73.9188, 68.8801, 67.5051



45.9290, 46.9532, 41.7651



10.6467, 10.6421, 11.1229



15.1724, 7.8185, 0.8518



0.7231, 0.3721, 0.0649

Previews

White Background



This preview shows how the XYZ color 45.2399, 51.8105, 59.8406 looks on a white background.

Color Contrast Check

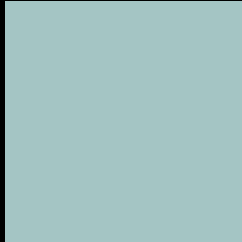
Large Text (above 18pt) WCAG AA × Fail

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 45.2399, 51.8105, 59.8406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

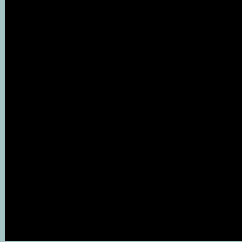
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2399, 51.8105, 59.8406

Background



This preview shows how black text looks on a background with the XYZ color 45.2399, 51.8105, 59.8406.

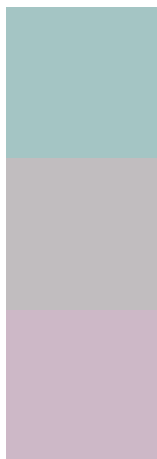


This preview shows how white text looks on a background with the XYZ color 45.2399, 51.8105,

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

45.2399, 51.8105, 59.8406

Protanopia

49.5939, 51.4942, 56.6157

Deuteranopia

52.6261, 51.3836, 61.1772



Tritanopia

47.0843, 51.8988, 68.5086

Trichromacy



Original Color

45.2399, 51.8105, 59.8406

Protanomaly

47.7667, 51.4946, 57.8740

Deuteranomaly

49.6258, 51.4196, 60.7355

Tritanomaly

46.4853, 51.9946, 65.3435

Monochromacy



Original Color

45.2399, 51.8105, 59.8406

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5155, 50.5630, 56.0232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2399, 51.8105, 59.8406 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(164, 197, 196)` looks like.

```
.text, #text, p{  
    color:rgb(164, 197, 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(164, 197, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 197, 196) }
```

Border

The CSS property to change the border of an element to XYZ 45.2399, 51.8105, 59.8406 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(164, 197, 196) }
```


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

```
.border{ border-color:rgb(164, 197, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 197, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 197, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 197, 196);  
box-shadow:4px 4px 4px 4px rgb(164, 197,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2399, 51.8105, 59.8406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 197, 196) }
```

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

```
.background{ background-color: rgb(164,  
197, 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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