

Converting Colors

XYZ(45.5751, 59.8526, 61.4851)

Have a look what the booklet for
XYZ(45.5751, 59.8526, 61.4851)
contains.

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Color

**XYZ(45.6119, 59.9669,
61.3953)**

Conversions

Conversions Part 1

Format	Color
Hex	89DBC4
RGB	137, 219, 196
RGB Percent	54%, 86%, 77%
CMY	0.4627, 0.1412, 0.2314
CMYK	0.37, 0.00, 0.11, 0.14
HSL	163°, 53%, 70%
HSV	163°, 37%, 86%
XYZ	45.6119, 59.9669, 61.3953
YIQ	191.8600, -41.4890, -24.5370

Conversions

Conversions Part 2

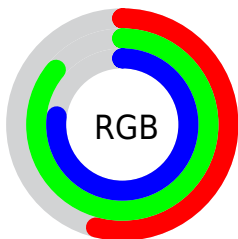
Format	Color
RYB	137, 185, 219
Decimal	9034692
CIELab	81.82, -30.18, 3.43
CIELCh	82, 30.376, 173.525
Yxy	59.9669, 0.2732, 0.3591
Android (android.graphics.Color)	4287224772 (0xFF89DBC4)
YUV	191.8600, 2.0410, -48.1122
Hunter-Lab	77.4383, -30.3788, 7.2000

Details

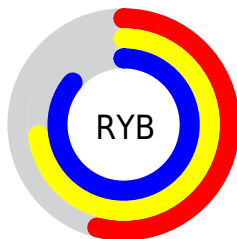
The XYZ color **45.6119, 59.9669, 61.3953** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.5064, 35.4912, 37.7650**, and the grayscale version is **50.0285, 52.6338, 57.3183**.

A 20% lighter version of the original color is **75.4819, 89.9493, 106.3121**, and **21.6376, 30.2978, 30.2988** is the 20% darker color. If you saturate the color by 10%, you get **41.6951, 58.0284, 57.6371**, and if you desaturate by 10%, it is **50.2894, 62.2973, 65.3412**.

Distribution



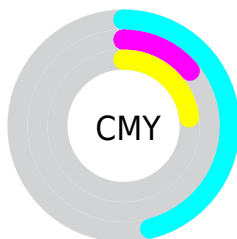
- Red (54%)
- Green (86%)
- Blue (77%)



- Red (54%)
- Yellow (73%)
- Blue (86%)



- Cyan (37%)
- Magenta (0%)
- Yellow (11%)
- Black (14%)





- Cyan (46%)
- Magenta (14%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6119, 59.9669, 61.3953 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 45.6119, 59.9669, 61.3953 by changing the saturation by 10% instead.


 45.6119, 59.9669,
61.3953


 45.6119, 59.9669,
61.3953


359.9883,
424.4758, 447.6685


 32.1430, 43.3920,
44.1116


 82.8693, 104.7817,
108.4142

 21.6268, 30.1928,
30.4204


 107.3885,
133.7902, 138.9865

 13.6980, 19.9850,
19.9032


 136.3219,
167.7122, 174.8254

 7.9912, 12.3841,
12.1413

170.0347,
206.9319, 216.3496

 4.1411, 7.0058,
6.7163

208.8924,
251.8336, 263.9774

 1.7823, 3.4658,
3.2096

253.2604,

 0.5069, 1.3795,

302.8020, 318.1275

1.2026

303.5039,
360.2212, 379.2183

■ 0.0000, 0.2015,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.6119, 59.9669,
61.3953

■ 45.6119, 59.9669,
61.3953

■ 41.6951, 58.0284,
57.6371

■ 50.2894, 62.2973,
65.3412

■ 38.4891, 56.4516,
54.0585

■ 55.7634, 65.0334,
69.4743

■ 35.9462, 55.2133,
50.6570

■ 62.0735, 68.1973,
73.7995

■ 34.0102, 54.2847,
47.4279

■ 69.2554, 71.8070,
78.3201

■ 32.6154, 53.6320,
44.3664

■ 77.3423, 75.8799,
83.0393

■ 31.6729, 53.2093,
41.4664

■ 81.2608, 77.8004,
87.7214

■ 31.4672, 53.1189,
40.7487

■ 82.1533, 78.1574,
92.4213

■ 83.0767, 78.5267,
97.2836

■ 84.0312, 78.9085,
102.3101

Harmonies

Analogous

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



47.6539, 59.9669, 46.4861



45.6119, 59.9669, 61.3953



46.4315, 59.9669, 80.4121

Triad

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



45.6119, 59.9669, 61.3953



62.0564, 59.9669, 103.2774



64.6381, 59.9669, 40.8350

Complementary

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



45.6119, 59.9669, 61.3953



44.5064, 35.4912, 37.7650

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.



69.0541, 59.9669, 52.2001



45.6119, 59.9669, 61.3953



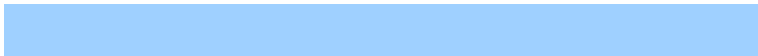
67.4873, 59.9669, 88.5926

Square

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



45.6119, 59.9669, 61.3953



55.6187, 59.9669, 106.9962



70.1340, 59.9669, 69.3539



58.3973, 59.9669, 36.1381

Rectangle

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



45.6119, 59.9669, 61.3953



48.5232, 59.9669, 92.7280



70.1340, 59.9669, 69.3539



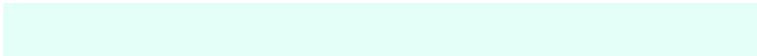
66.4035, 59.9669, 43.8867

Sweetspot

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



45.6136, 59.9693, 61.3967



84.2316, 94.5663, 101.9158



44.3927, 59.9693, 32.9036



17.7660, 20.1092, 21.6349



0.0000, 0.0000, 0.0000



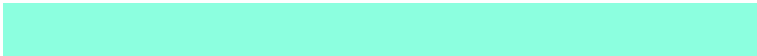
20.3446, 21.4041, 23.3091

Same Dimension

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



45.6136, 59.9693, 61.3967



59.9112, 82.4347, 82.4324



44.0457, 52.3172, 74.7973



13.2810, 14.7640, 15.9425



18.7067, 31.5153, 24.4185



1.2479, 2.0561, 1.7717

Inverse Universe

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



44.5064, 35.4912, 37.7650



58.1433, 43.0848, 44.5028



45.4133, 40.2331, 29.0404



13.2054, 13.1113, 14.3430



17.8690, 9.1486, 3.6902



1.1941, 0.6073, 0.4309

Previews

White Background



This preview shows how the XYZ color 45.6119, 59.9669, 61.3953 looks on a white background.

Color Contrast Check

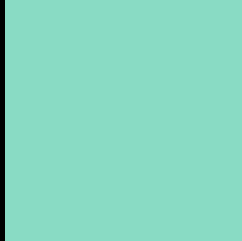
Large Text (above 18pt) WCAG AA × Fail

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 45.6119, 59.9669, 61.3953 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

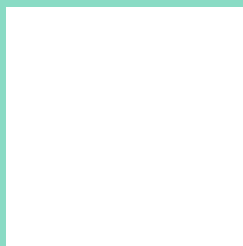
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6119, 59.9669, 61.3953

Background



This preview shows how black text looks on a background with the XYZ color 45.6119, 59.9669, 61.3953.

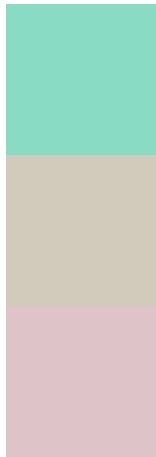


This preview shows how white text looks on a background with the XYZ color 45.6119, 59.9669,

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

45.6119, 59.9669, 61.3953

Protanopia

56.6685, 59.5306, 55.5175

Deuteranopia

60.4067, 59.2265, 63.5064



Tritanopia

50.3244, 59.9736, 84.5250

Trichromacy



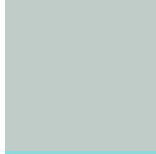
Original Color

45.6119, 59.9669, 61.3953



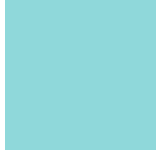
Protanomaly

51.3786, 58.8967, 57.3755



Deuteranomaly

53.3875, 58.3856, 62.4886



Tritanomaly

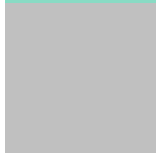
48.5384, 60.0133, 75.3552

Monochromacy



Original Color

45.6119, 59.9669, 61.3953



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

47.7594, 54.8620, 58.5243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6119, 59.9669, 61.3953 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(137, 219, 196)` looks like.

```
.text, #text, p{  
    color:rgb(137, 219, 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(137, 219, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 219, 196) }
```

Border

The CSS property to change the border of an element to XYZ 45.6119, 59.9669, 61.3953 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(137, 219, 196) }
```


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

```
.border{ border-color:rgb(137, 219, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 219, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 219, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 219, 196);  
box-shadow:4px 4px 4px 4px rgb(137, 219,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6119, 59.9669, 61.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 219, 196) }
```

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

```
.background{ background-color: rgb(137,  
219, 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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