

Converting Colors

XYZ(45.6065, 61.2581, 59.3697)

Have a look what the booklet for
XYZ(45.6065, 61.2581, 59.3697)
contains.

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Color

**XYZ(45.4672, 61.1167,
59.2695)**

Conversions

Conversions Part 1

Format	Color
Hex	86DEC0
RGB	134, 222, 192
RGB Percent	53%, 87%, 75%
CMY	0.4745, 0.1294, 0.2471
CMYK	0.40, 0.00, 0.14, 0.13
HSL	160°, 57%, 70%
HSV	160°, 40%, 87%
XYZ	45.4672, 61.1167, 59.2695
YIQ	192.2680, -42.8180, -27.9860

Conversions

Conversions Part 2

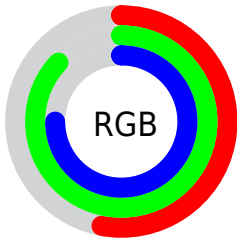
Format	Color
RYB	134, 187, 222
Decimal	8838848
CIELab	82.44, -33.27, 6.43
CIELCh	82, 33.890, 169.069
Yxy	61.1167, 0.2741, 0.3685
Android (android.graphics.Color)	4287028928 (0xFF86DEC0)
YUV	192.2680, -0.1321, -51.1010
Hunter-Lab	78.1772, -32.9959, 9.7737

Details

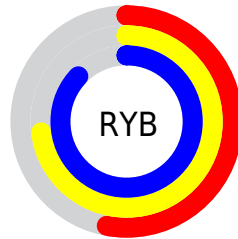
The XYZ color **45.4672, 61.1167, 59.2695** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **45.3522, 35.2616, 39.5401**, and the grayscale version is **50.2795, 52.8980, 57.6059**.

A 20% lighter version of the original color is **73.9385, 89.2445, 102.1359**, and **21.5209, 30.7988, 29.2366** is the 20% darker color. If you saturate the color by 10%, you get **41.4765, 59.1554, 54.8178**, and if you desaturate by 10%, it is **50.2472, 63.4830, 63.9859**.

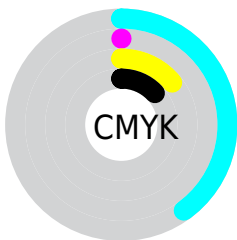
Distribution



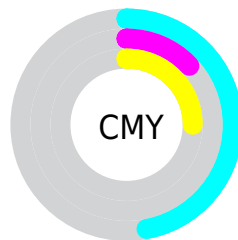
- Red (53%)
- Green (87%)
- Blue (75%)



- Red (53%)
- Yellow (73%)
- Blue (87%)



- Cyan (40%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)





- Cyan (47%)
- Magenta (13%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4672, 61.1167, 59.2695 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 45.4672, 61.1167, 59.2695 by changing the saturation by 10% instead.


 45.4672, 61.1167,
59.2695


 45.4672, 61.1167,
59.2695


359.4144,
428.7018, 439.6296


 32.0284, 44.3194,
42.4087


 82.6538, 106.4479,
105.3022

 21.5389, 30.9217,
29.0935


 107.1324,
135.7505, 135.3112

 13.6332, 20.5392,
18.9053


 136.0215,
169.9904, 170.5400

 7.9460, 12.7876,
11.4258

169.6867,
209.5519, 211.4071

 4.1119, 7.2824,
6.2362

208.4932,
254.8193, 258.3310

 1.7656, 3.6394,
2.9181

252.8064,

 0.4968, 1.4739,

306.1772, 311.7304

1.0530

302.9917,
364.0099, 372.0237

■ 0.0000, 0.2703,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.4672, 61.1167,
59.2695

■ 45.4672, 61.1167,
59.2695

■ 41.4765, 59.1554,
54.8178

■ 50.2472, 63.4830,
63.9859

■ 38.2225, 57.5674,
50.6211


■ 55.8547, 66.2694,
68.9682


■ 35.6539, 56.3280,
46.6749


■ 62.3316, 69.4987,
74.2229


■ 33.7107, 55.4062,
42.9728


■ 69.7154, 73.1904,
79.7548


 32.3216, 54.7653,
39.5080


 78.0414, 77.3626,
85.5686


 31.3667, 54.3437,
36.2712

 82.7091, 79.6435,
91.4521

 31.3354, 54.3300,
36.1585

 83.8413, 80.0964,
97.4140

 85.0207, 80.5681,
103.6249

 85.4124, 80.7248,
105.6875

Harmonies

Analogous

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



48.1958, 61.1167, 43.6976



45.4672, 61.1167, 59.2695



45.9028, 61.1167, 80.4369

Triad

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



45.4672, 61.1167, 59.2695



62.7566, 61.1167, 111.7770



67.6938, 61.1167, 40.7446

Complementary

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



45.4672, 61.1167, 59.2695



45.3522, 35.2616, 39.5401

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.



72.2624, 61.1167, 54.3536



45.4672, 61.1167, 59.2695



69.2524, 61.1167, 96.2263

Square

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



45.4672, 61.1167, 59.2695



55.4901, 61.1167, 113.8588



72.8553, 61.1167, 74.3943



60.7691, 61.1167, 34.5788

Rectangle

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



45.4672, 61.1167, 59.2695



47.9396, 61.1167, 94.9631



72.8553, 61.1167, 74.3943



69.5797, 61.1167, 44.4515

Sweetspot

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



45.4689, 61.1192, 59.2709



83.0401, 93.9975, 99.8071



45.9017, 61.9443, 32.0923



17.5177, 19.9915, 21.1581



0.0000, 0.0000, 0.0000



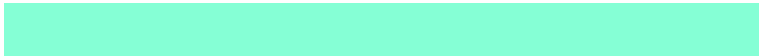
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4689, 61.1192, 59.2709



57.4144, 81.2919, 75.7956



45.7697, 55.8475, 77.4775



13.9076, 15.4888, 16.5488



18.6658, 32.2912, 21.7609



1.3352, 2.2548, 1.7265

Inverse Universe

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



45.3522, 35.2616, 39.5401



57.2451, 40.9946, 45.1088



44.8940, 38.1821, 27.5588



13.8991, 13.7773, 15.2389



18.7084, 9.5504, 5.1305



1.3377, 0.6784, 0.5712

Previews

White Background



This preview shows how the XYZ color 45.4672, 61.1167, 59.2695 looks on a white background.

Color Contrast Check

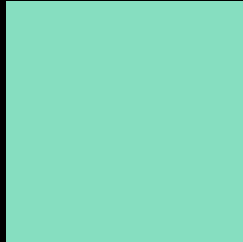
Large Text (above 18pt) WCAG AA × Fail

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 45.4672, 61.1167, 59.2695 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 45.4672, 61.1167, 59.2695

Background



This preview shows how black text looks on a background with the XYZ color 45.4672, 61.1167, 59.2695.

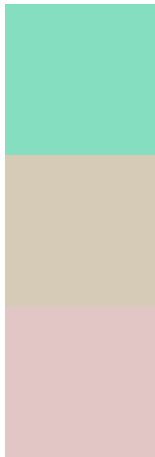


This preview shows how white text looks on a background with the XYZ color 45.4672, 61.1167,

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

45.4672, 61.1167, 59.2695

Protanopia

57.2400, 60.2354, 52.8657

Deuteranopia

61.4083, 60.1325, 61.1935



Tritanopia

50.7654, 60.9242, 86.1747

Trichromacy



Original Color

45.4672, 61.1167, 59.2695



Protanomaly

51.6767, 59.8287, 55.2788



Deuteranomaly

53.9140, 59.4202, 60.2574



Tritanomaly

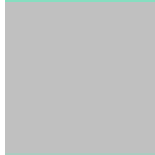
48.5415, 60.7802, 75.5030

Monochromacy



Original Color

45.4672, 61.1167, 59.2695



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

47.6650, 55.1756, 58.0069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4672, 61.1167, 59.2695 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(134, 222, 192)` looks like.

```
.text, #text, p{  
    color:rgb(134, 222, 192)  
}
```

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(134, 222, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 222, 192) }
```

Border

The CSS property to change the border of an element to XYZ 45.4672, 61.1167, 59.2695 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(134, 222, 192) }
```


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

```
.border{ border-color:rgb(134, 222, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 222, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 222, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 222, 192); box-shadow:4px 4px 4px 4px rgb(134, 222, 192) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4672, 61.1167, 59.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 222, 192) }
```

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

```
.background{ background-color: rgb(134,  
222, 192) }
```

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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