

Converting Colors

XYZ(45.0100, 61.1003, 59.9033)

Have a look what the booklet for
XYZ(45.0100, 61.1003, 59.9033)
contains.

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Color

**XYZ(45.0666, 61.2927,
59.9075)**

Conversions

Conversions Part 1

Format	Color
Hex	81DFC1
RGB	129, 223, 193
RGB Percent	51%, 87%, 76%
CMY	0.4941, 0.1255, 0.2431
CMYK	0.42, 0.00, 0.13, 0.13
HSL	161°, 59%, 69%
HSV	161°, 42%, 87%
XYZ	45.0666, 61.2927, 59.9075
YIQ	191.4740, -46.3940, -29.2580

Conversions

Conversions Part 2

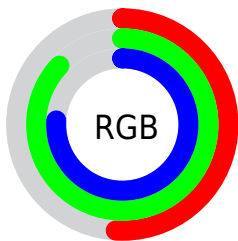
Format	Color
RYB	129, 185, 223
Decimal	8511425
CIELab	82.54, -34.83, 6.01
CIElCh	83, 35.347, 170.218
Yxy	61.2927, 0.2710, 0.3686
Android (android.graphics.Color)	4286701505 (0xFF81DFC1)
YUV	191.4740, 0.7523, -54.7897
Hunter-Lab	78.2897, -34.2553, 9.4339

Details

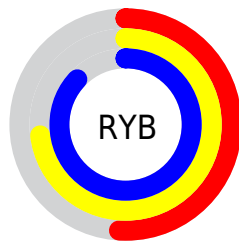
The XYZ color **45.0666, 61.2927, 59.9075** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **44.5418, 33.8934, 36.9978**, and the grayscale version is **49.8130, 52.4071, 57.0714**.

A 20% lighter version of the original color is **73.1086, 88.7987, 102.9092**, and **21.3000, 30.9474, 29.6618** is the 20% darker color. If you saturate the color by 10%, you get **41.2671, 59.4251, 55.6850**, and if you desaturate by 10%, it is **49.6469, 63.5616, 64.3687**.

Distribution



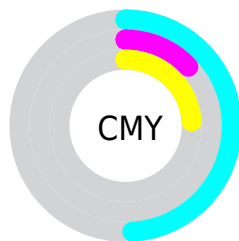
- Red (51%)
- Green (87%)
- Blue (76%)



- Red (51%)
- Yellow (73%)
- Blue (87%)



- Cyan (42%)
- Magenta (0%)
- Yellow (13%)
- Black (13%)



- Cyan (49%)
- Magenta (13%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0666, 61.2927, 59.9075 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 45.0666, 61.2927, 59.9075 by changing the saturation by 10% instead.

■ 45.0666, 61.2927,
59.9075

■ 45.0666, 61.2927,
59.9075

357.8224,
429.3464, 442.0519

■ 31.7114, 44.4614,
42.9193

■ 82.0568, 106.7026,
106.2375

■ 21.2956, 31.0334,
29.4908

■ 106.4225,
136.0501, 136.4164

■ 13.4540, 20.6243,
19.2037

■ 135.1890,
170.3384, 171.8293

■ 7.8210, 12.8497,
11.6392

168.7218,
209.9519, 212.8946

■ 4.0315, 7.3251,
6.3790

207.3862,
255.2751, 260.0310

■ 1.7200, 3.6662,
3.0044

251.5475,

■ 0.4687, 1.4887,

306.6923, 313.6570

1.0969

301.5711,
364.5879, 374.1911

■ 0.0000, 0.2807,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.0666, 61.2927,
59.9075

■ 45.0666, 61.2927,
59.9075

■ 41.2671, 59.4251,
55.6850

■ 49.6469, 63.5616,
64.3687

■ 38.1941, 57.9261,
51.6920


■ 55.0477, 66.2473,
69.0692


■ 35.7944, 56.7700,
47.9243


■ 61.3118, 69.3736,
74.0150


■ 34.0050, 55.9242,
44.3763


■ 68.4776, 72.9601,
79.2105


 32.7502, 55.3498,
41.0413


 76.5813, 77.0255,
84.6599

 32.0421, 55.0388,
38.5667

 82.7266, 80.0766,
90.2304

 83.7800, 80.4980,
95.7775

 84.8750, 80.9360,
101.5441

 85.6787, 81.2575,
105.7762

Harmonies

Analogous

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



47.7787, 61.2927, 43.4741



45.0666, 61.2927, 59.9075



45.6461, 61.2927, 82.1938

Triad

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



45.0666, 61.2927, 59.9075



63.4297, 61.2927, 113.9553



68.0682, 61.2927, 39.5707

Complementary

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



45.0666, 61.2927, 59.9075



44.5418, 33.8934, 36.9978

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.



72.9994, 61.2927, 53.3513



45.0666, 61.2927, 59.9075



70.1648, 61.2927, 97.0975

Square

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



45.0666, 61.2927, 59.9075



55.8205, 61.2927, 116.7801



73.7983, 61.2927, 74.0675



60.7631, 61.2927, 33.5283

Rectangle

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



45.0666, 61.2927, 59.9075



47.8412, 61.2927, 97.4103



73.7983, 61.2927, 74.0675



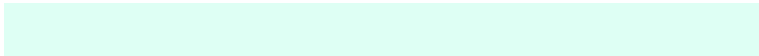
70.0841, 61.2927, 43.2915

Sweetspot

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



45.0683, 61.2952, 59.9089



82.2312, 93.5831, 99.6516



44.9160, 61.8709, 30.3449



17.1801, 19.8204, 21.0058



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.



45.0683, 61.2952, 59.9089



56.2830, 80.7053, 75.8900



44.7682, 54.7845, 78.0298



13.9207, 15.4940, 16.6176



18.8931, 32.3821, 22.9578



1.3498, 2.2606, 1.8030

Inverse Universe

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



44.5418, 33.8934, 36.9978



55.4923, 38.6846, 40.8392



44.4703, 37.4238, 25.6497



13.8866, 13.7723, 15.1730



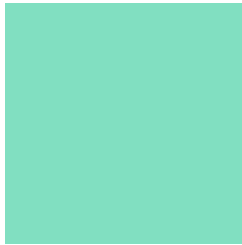
18.6109, 9.5114, 4.6166



1.3298, 0.6752, 0.5297

Previews

White Background



This preview shows how the XYZ color 45.0666, 61.2927, 59.9075 looks on a white background.

Color Contrast Check

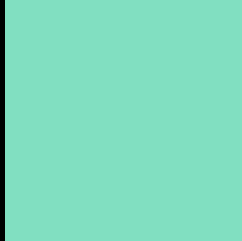
Large Text (above 18pt) WCAG AA × Fail

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 45.0666, 61.2927, 59.9075 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

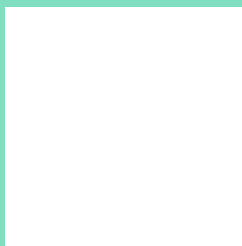
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.0666, 61.2927, 59.9075

Background



This preview shows how black text looks on a background with the XYZ color 45.0666, 61.2927, 59.9075.



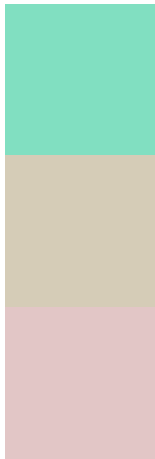
This preview shows how white text looks on a background with the XYZ color 45.0666, 61.2927,

59.9075.

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

45.0666, 61.2927, 59.9075

Protanopia

57.5807, 60.7508, 53.4910

Deuteranopia

61.7512, 60.6341, 61.8750



Tritanopia

50.6235, 61.1993, 87.7418

Trichromacy



Original Color

45.0666, 61.2927, 59.9075



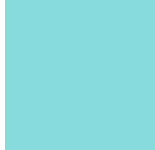
Protanomaly

51.5553, 60.1215, 55.9011



Deuteranomaly

53.7625, 59.6875, 60.9118



Tritanomaly

48.4031, 61.0646, 76.9457

Monochromacy



Original Color

45.0666, 61.2927, 59.9075



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

47.0188, 54.8425, 57.9767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0666, 61.2927, 59.9075 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(129, 223, 193)` looks like.

```
.text, #text, p{  
    color:rgb(129, 223, 193)  
}
```

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(129, 223, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 223, 193) }
```

Border

The CSS property to change the border of an element to XYZ 45.0666, 61.2927, 59.9075 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(129, 223, 193) }
```


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

```
.border{ border-color:rgb(129, 223, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 223, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 223, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 223, 193);  
box-shadow:4px 4px 4px 4px rgb(129, 223,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0666, 61.2927, 59.9075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 223, 193) }
```

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

```
.background{ background-color: rgb(129,  
223, 193) }
```

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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