

Converting Colors

XYZ(44.9984, 54.3253, 74.4268)

Have a look what the booklet for
XYZ(44.9984, 54.3253, 74.4268)
contains.

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Color

**XYZ(45.0427, 54.5229,
74.4796)**

Conversions

Conversions Part 1

Format	Color
Hex	89CEDA
RGB	137, 206, 218
RGB Percent	54%, 81%, 85%
CMY	0.4627, 0.1921, 0.1451
CMYK	0.37, 0.06, 0.00, 0.15
HSL	189°, 52%, 70%
HSV	189°, 37%, 85%
XYZ	45.0427, 54.5229, 74.4796
YIQ	186.7370, -44.9760, -10.8960

Conversions

Conversions Part 2

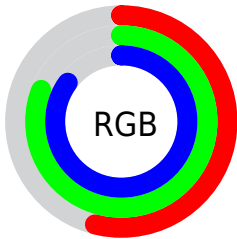
Format	Color
RYB	137, 174, 218
Decimal	9031386
CIELab	78.77, -18.65, -12.83
CIELCh	79, 22.639, 214.526
Yxy	54.5229, 0.2588, 0.3133
Android (android.graphics.Color)	4287221466 (0xFF89CEDA)
YUV	186.7370, 15.4127, -43.6193
Hunter-Lab	73.8396, -20.3331, -8.1161

Details

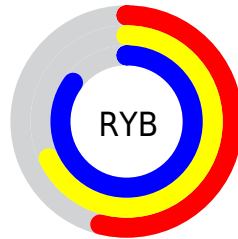
The XYZ color **45.0427, 54.5229, 74.4796** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.1771, 38.2072, 28.7146**, and the grayscale version is **47.0214, 49.4701, 53.8730**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **21.3188, 26.8947, 38.7179** is the 20% darker color. If you saturate the color by 10%, you get **41.0548, 51.3261, 74.0737**, and if you desaturate by 10%, it is **49.7718, 58.1281, 74.9272**.

Distribution



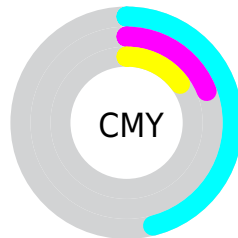
- Red (54%)
- Green (81%)
- Blue (85%)



- Red (54%)
- Yellow (68%)
- Blue (85%)



- Cyan (37%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)



- Cyan (46%)
- Magenta (19%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0427, 54.5229, 74.4796 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 45.0427, 54.5229, 74.4796 by changing the saturation by 10% instead.

■ 45.0427, 54.5229,
74.4796

■ 45.0427, 54.5229,
74.4796

357.7273,
404.1009, 495.3346

■ 31.6925, 39.0199,
54.6875

■ 82.0212, 96.8416,
127.3158

■ 21.2811, 26.7752,
38.7547

■ 106.3801,
124.4260, 161.1969

■ 13.4433, 17.4045,
26.2626

■ 135.1393,
156.8064, 200.6115

■ 7.8136, 10.5233,
16.7926

168.6642,
194.3671, 245.9780

■ 4.0267, 5.7473,
9.9264

207.3201,
237.4925, 297.7150

■ 1.7173, 2.6920,
5.2452

251.4723,

■ 0.4670, 0.9731,

286.5670, 356.2411

2.3306

301.4863,
341.9750, 421.9748

■ 0.0000, 0.0000,
0.7483

■ 0.0000, 0.0000,
0.0000

■ 45.0427, 54.5229,
74.4796

■ 45.0427, 54.5229,
74.4796

■ 41.0548, 51.3261,
74.0737

■ 49.7718, 58.1281,
74.9272

■ 37.7593, 48.5086,
73.7035

■ 55.2775, 62.1562,
75.4145

■ 35.1094, 46.0472,
73.3681

■ 61.5984, 66.6285,
75.9446

■ 33.0500, 43.9136,
73.0648

■ 68.7695, 71.5633,
76.5191

■ 31.5167, 42.0744,
72.7906

■ 76.8235, 76.9775,
77.1397

■ 30.4244, 40.4854,
72.5415

■ 80.9227, 80.3772,
77.5798

■ 30.1530, 40.0578,
72.4733

■ 81.8059, 82.1437,
77.8742

■ 82.7057, 83.9433,
78.1742

■ 83.6222, 85.7763,
78.4797

Harmonies

Analogous

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



43.6986, 54.5229, 61.3347



45.0427, 54.5229, 74.4796



48.2040, 54.5229, 84.5469

Triad

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



45.0427, 54.5229, 74.4796



59.9969, 54.5229, 70.6250



51.1455, 54.5229, 38.0076

Complementary

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



45.0427, 54.5229, 74.4796



44.1771, 38.2072, 28.7146

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.



55.6174, 54.5229, 39.7588



45.0427, 54.5229, 74.4796



60.8953, 54.5229, 57.4402

Square

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



45.0427, 54.5229, 74.4796



56.8610, 54.5229, 82.1060



59.2504, 54.5229, 46.4495



47.0906, 54.5229, 41.2680

Rectangle

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



45.0427, 54.5229, 74.4796



51.0047, 54.5229, 87.4745



59.2504, 54.5229, 46.4495



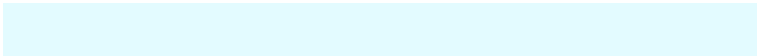
52.6487, 54.5229, 38.0340

Sweetspot

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



45.0443, 54.5250, 74.4809



84.1616, 92.4404, 108.0147



40.7186, 57.5940, 36.9061



17.7488, 19.5986, 23.0974



0.0000, 0.0000, 0.0000



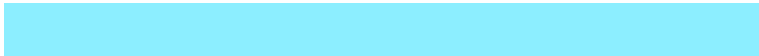
20.3446, 21.4041, 23.3091

Same Dimension

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



45.0443, 54.5250, 74.4809



59.4827, 73.9679, 105.7499



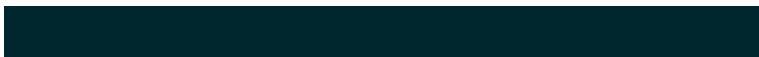
36.7365, 37.9093, 71.7116



13.2720, 14.4837, 16.7483



18.1269, 24.1232, 43.4393



1.2200, 1.6542, 2.8294

Inverse Universe

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



49.0010, 37.2544, 63.0030



66.0877, 46.2625, 86.3374



51.4773, 52.8075, 31.1480



13.5271, 13.2400, 16.0372



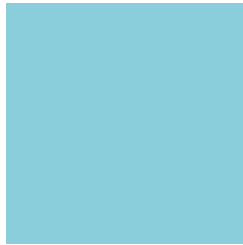
22.6450, 11.0590, 28.8401



1.4901, 0.7257, 1.9898

Previews

White Background



This preview shows how the XYZ color 45.0427, 54.5229, 74.4796 looks on a white background.

Color Contrast Check

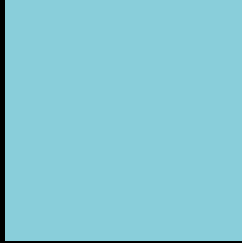
Large Text (above 18pt) WCAG AA × Fail

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 45.0427, 54.5229, 74.4796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

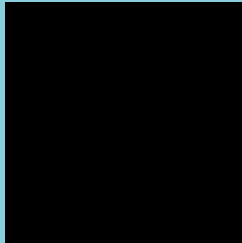
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.0427, 54.5229, 74.4796

Background



This preview shows how black text looks on a background with the XYZ color 45.0427, 54.5229, 74.4796.

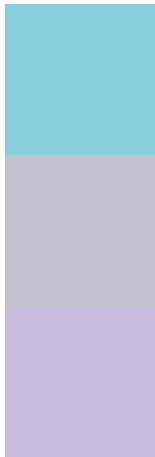


This preview shows how white text looks on a background with the XYZ color 45.0427, 54.5229,

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

45.0427, 54.5229, 74.4796

Protanopia

52.6951, 54.1305, 68.6437

Deuteranopia

55.2018, 53.9485, 76.6109



Tritanopia

45.4974, 54.3398, 77.1979

Trichromacy



Original Color

45.0427, 54.5229, 74.4796

Protanomaly

49.4379, 54.0765, 70.7829

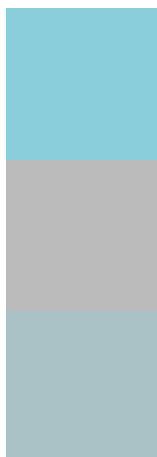
Deuteranomaly

50.6977, 53.5978, 76.0800

Tritanomaly

45.3637, 54.2864, 76.4940

Monochromacy



Original Color

45.0427, 54.5229, 74.4796

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

45.8470, 51.0958, 60.8722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0427, 54.5229, 74.4796 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, 206, 218)` looks like.

```
.text, #text, p{  
    color:rgb(137, 206, 218)  
}
```

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, 206, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 206, 218) }
```

Border

The CSS property to change the border of an element to XYZ 45.0427, 54.5229, 74.4796 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, 206, 218) }
```


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

```
.border{ border-color:rgb(137, 206, 218) }
```

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

Here you see how a box with a 4 pixel rgb(137, 206, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 206, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 206, 218);  
box-shadow:4px 4px 4px 4px rgb(137, 206,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0427, 54.5229, 74.4796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 206, 218) }
```

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

```
.background{ background-color: rgb(137,  
206, 218) }
```

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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