

Converting Colors

XYZ(45.7988, 59.6190, 78.4983)

Have a look what the booklet for
XYZ(45.7988, 59.6190, 78.4983)
contains.

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Color

**XYZ(45.8525, 59.7189,
78.2175)**

Conversions

Conversions Part 1

Format	Color
Hex	75DBDE
RGB	117, 219, 222
RGB Percent	46%, 86%, 87%
CMY	0.5412, 0.1412, 0.1294
CMYK	0.47, 0.01, 0.00, 0.13
HSL	182°, 61%, 66%
HSV	182°, 47%, 87%
XYZ	45.8525, 59.7189, 78.2175
YIQ	188.8440, -61.7550, -20.6910

Conversions

Conversions Part 2

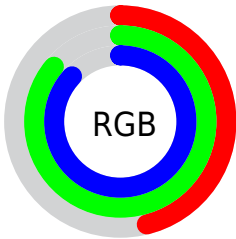
Format	Color
RYB	117, 169, 222
Decimal	7723998
CIELab	81.69, -28.91, -10.70
CIELCh	82, 30.829, 200.304
Yxy	59.7189, 0.2495, 0.3249
Android (android.graphics.Color)	4285914078 (0xFF75DBDE)
YUV	188.8440, 16.3459, -63.0072
Hunter-Lab	77.2780, -29.3245, -5.9162

Details

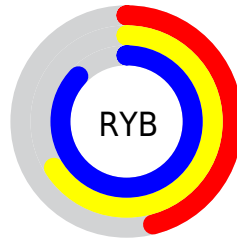
The XYZ color **45.8525, 59.7189, 78.2175** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.0527, 30.2479, 20.5586**, and the grayscale version is **48.2171, 50.7282, 55.2430**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **21.8261, 30.1532, 41.2290** is the 20% darker color. If you saturate the color by 10%, you get **43.0515, 58.0313, 78.0404**, and if you desaturate by 10%, it is **49.3649, 61.7770, 78.4307**.

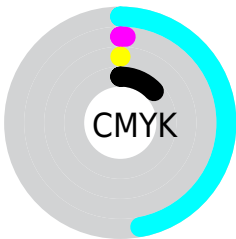
Distribution



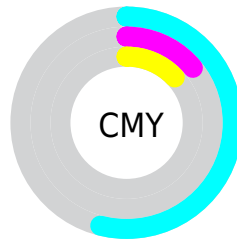
- Red (46%)
- Green (86%)
- Blue (87%)



- Red (46%)
- Yellow (66%)
- Blue (87%)



- Cyan (47%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)





- Cyan (54%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8525, 59.7189, 78.2175 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 45.8525, 59.7189, 78.2175 by changing the saturation by 10% instead.

 45.8525, 59.7189,
78.2175


 45.8525, 59.7189,
78.2175


360.9412,
423.5609, 508.4526

 32.3336, 43.1921,
57.7352


 83.2274, 104.4218,
132.6453

 21.7732, 30.0359,
41.1825


 107.8141,
133.3667, 167.4279

 13.8060, 19.8658,
28.1409


 136.8208,
167.2197, 207.8143

 8.0667, 12.2975,
18.1919

170.6128,
206.3653, 254.2231

 4.1898, 6.9467,
10.9170

209.5555,
251.1878, 307.0728

 1.8101, 3.4288,
5.8976

254.0142,

 0.5237, 1.3595,

302.0716, 366.7819

2.7151

304.3543,
359.4012, 433.7690

■ 0.0000, 0.1866,
0.9510

■ 0.0000, 0.0000,
0.0000

■ 45.8525, 59.7189,
78.2175

■ 45.8525, 59.7189,
78.2175

■ 43.0515, 58.0313,
78.0404

■ 49.3649, 61.7770,
78.4307

■ 40.9058, 56.6810,
77.8929


■ 53.6293, 64.2222,
78.6779


■ 39.3596, 55.6408,
77.7736


■ 58.6892, 67.0786,
78.9625


■ 38.3455, 54.8758,
77.6794


■ 64.5837, 70.3661,
79.2864

 37.7736, 54.3396,
77.6061


 71.3490, 74.1034,
79.6512

 37.6546, 54.2132,
77.5879

 79.0193, 78.3083,
80.0586

 80.9306, 79.5452,
80.1966

 81.1007, 79.8854,
80.2533

 81.2715, 80.2269,
80.3102

Harmonies

Analogous

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



45.3370, 59.7189, 59.1933



45.8525, 59.7189, 78.2175



49.1643, 59.7189, 96.5492

Triad

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



45.8525, 59.7189, 78.2175



66.9048, 59.7189, 90.6005



58.8869, 59.7189, 35.7957

Complementary

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



45.8525, 59.7189, 78.2175



40.0527, 30.2479, 20.5586

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.



65.1026, 59.7189, 41.2374



45.8525, 59.7189, 78.2175



69.9590, 59.7189, 71.2249

Square

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



45.8525, 59.7189, 78.2175



61.1981, 59.7189, 104.5898



69.2754, 59.7189, 53.4039



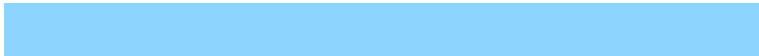
52.5437, 59.7189, 36.9556

Rectangle

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



45.8525, 59.7189, 78.2175



52.6618, 59.7189, 104.7677



69.2754, 59.7189, 53.4039



61.0676, 59.7189, 36.8668

Sweetspot

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



45.8543, 59.7212, 78.2189



82.7894, 93.1980, 108.2333



36.7736, 57.3517, 26.5075



17.3606, 19.7469, 23.1465



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.



45.8543, 59.7212, 78.2189



58.8873, 79.4132, 106.8323



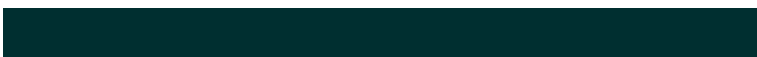
34.4790, 36.9705, 74.4271



14.0813, 15.5017, 17.6376



22.3805, 32.2306, 46.0899



1.5620, 2.2555, 3.1983

Inverse Universe

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



49.2732, 33.3683, 70.8641



64.1672, 39.2921, 95.3449



47.9466, 46.0359, 23.1899



14.2772, 13.9285, 17.2301



25.2368, 12.1617, 39.5085



1.7547, 0.8451, 2.7670

Previews

White Background



This preview shows how the XYZ color 45.8525, 59.7189, 78.2175 looks on a white background.

Color Contrast Check

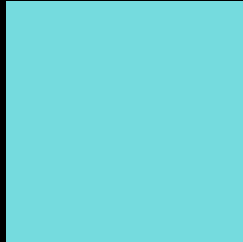
Large Text (above 18pt) WCAG AA × Fail

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 45.8525, 59.7189, 78.2175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

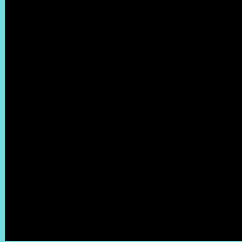
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8525, 59.7189, 78.2175

Background



This preview shows how black text looks on a background with the XYZ color 45.8525, 59.7189, 78.2175.

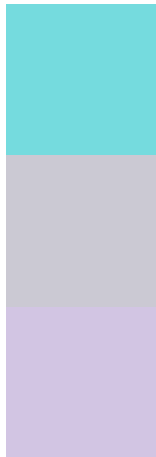


This preview shows how white text looks on a background with the XYZ color 45.8525, 59.7189,

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

45.8525, 59.7189, 78.2175

Protanopia

57.2731, 59.1729, 70.0309

Deuteranopia

60.4097, 59.1802, 80.9120



Tritanopia

47.6934, 59.6888, 87.6046

Trichromacy



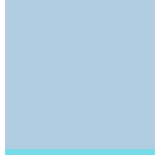
Original Color

45.8525, 59.7189, 78.2175



Protanomaly

51.8349, 58.7887, 72.9053



Deuteranomaly

53.3264, 58.3290, 79.6822



Tritanomaly

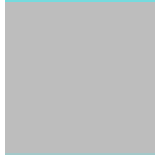
47.1001, 59.8490, 83.9325

Monochromacy



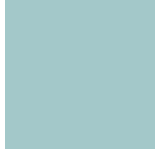
Original Color

45.8525, 59.7189, 78.2175



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.3011, 53.3121, 63.1083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8525, 59.7189, 78.2175 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(117, 219, 222)` looks like.

```
.text, #text, p{  
    color:rgb(117, 219, 222)  
}
```

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(117, 219, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 219, 222) }
```

Border

The CSS property to change the border of an element to XYZ 45.8525, 59.7189, 78.2175 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(117, 219, 222) }
```


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

```
.border{ border-color:rgb(117, 219, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 219, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 219, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 219, 222);  
box-shadow:4px 4px 4px 4px rgb(117, 219,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8525, 59.7189, 78.2175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 219, 222) }
```

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

```
.background{ background-color: rgb(117,  
219, 222) }
```

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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