

Converting Colors

XYZ(45.8784, 56.9809, 78.0716)

Have a look what the booklet for
XYZ(45.8784, 56.9809, 78.0716)
contains.

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Color

**XYZ(46.0687, 57.1605,
78.4170)**

Conversions

Conversions Part 1

Format	Color
Hex	82D4DF
RGB	130, 212, 223
RGB Percent	51%, 83%, 87%
CMY	0.4902, 0.1686, 0.1255
CMYK	0.42, 0.05, 0.00, 0.13
HSL	187°, 59%, 69%
HSV	187°, 42%, 87%
XYZ	46.0687, 57.1605, 78.4170
YIQ	188.7360, -52.4030, -13.9630

Conversions

Conversions Part 2

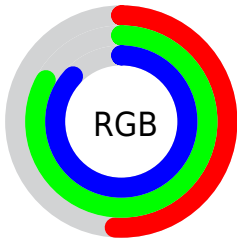
Format	Color
RYB	130, 174, 223
Decimal	8574175
CIELab	80.27, -22.20, -13.29
CIELCh	80, 25.872, 210.910
Yxy	57.1605, 0.2536, 0.3147
Android (android.graphics.Color)	4286764255 (0xFF82D4DF)
YUV	188.7360, 16.8922, -51.5115
Hunter-Lab	75.6046, -23.5412, -8.5724

Details

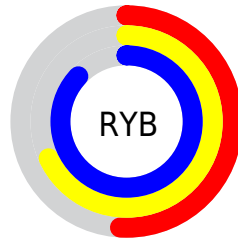
The XYZ color **46.0687, 57.1605, 78.4170** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.9866, 36.3504, 25.8186**, and the grayscale version is **48.1485, 50.6560, 55.1644**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **21.8725, 28.3576, 41.3665** is the 20% darker color. If you saturate the color by 10%, you get **42.3584, 54.2784, 78.0572**, and if you desaturate by 10%, it is **50.5345, 60.4507, 78.8177**.

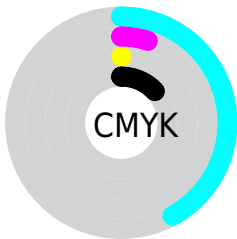
Distribution



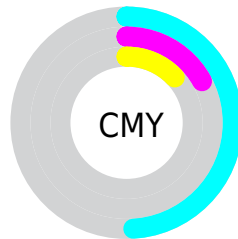
- Red (51%)
- Green (83%)
- Blue (87%)



- Red (51%)
- Yellow (68%)
- Blue (87%)



- Cyan (42%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)



- Cyan (49%)
- Magenta (17%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0687, 57.1605, 78.4170 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 46.0687, 57.1605, 78.4170 by changing the saturation by 10% instead.

■ 46.0687, 57.1605,
78.4170

■ 46.0687, 57.1605,
78.4170

361.7961,
414.0505, 509.1472

■ 32.5049, 41.1341,
57.8981

■ 83.5490, 100.6993,
132.9290

■ 21.9048, 28.4239,
41.3126

■ 108.1963,
128.9806, 167.7592

■ 13.9032, 18.6454,
28.2419

■ 137.2687,
162.1156, 208.1969

■ 8.1346, 11.4144,
18.2674

171.1317,
200.4887, 254.6607

■ 4.2337, 6.3463,
10.9707

210.1505,
244.4844, 307.5691

■ 1.8352, 3.0568,
5.9332

254.6907,

■ 0.5387, 1.1614,

294.4869, 367.3406

2.7364

305.1174,
350.8808, 434.3938

■ 0.0000, 0.0299,
0.9617

■ 0.0000, 0.0000,
0.0000

■ 46.0687, 57.1605,
78.4170

■ 46.0687, 57.1605,
78.4170

■ 42.3584, 54.2784,
78.0572

■ 50.5345, 60.4507,
78.8177

■ 39.3498, 51.7726,
77.7322

■ 55.7946, 64.1652,
79.2574

■ 36.9908, 49.6175,
77.4405

■ 61.8914, 68.3271,
79.7394

■ 35.2189, 47.7809,
77.1794

■ 68.8628, 72.9561,
80.2655

■ 33.9599, 46.2243,
76.9453

■ 76.7442, 78.0705,
80.8373

■ 33.2017, 45.0922,
76.7667

■ 82.2552, 81.9793,
81.3013

■ 82.9856, 83.4400,
81.5447

■ 83.7270, 84.9229,
81.7919

■ 84.4796, 86.4281,
82.0427

Harmonies

Analogous

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



44.7889, 57.1605, 62.7014



46.0687, 57.1605, 78.4170



49.5370, 57.1605, 91.2913

Triad

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



46.0687, 57.1605, 78.4170



63.7020, 57.1605, 77.4869



54.1681, 57.1605, 37.4382

Complementary

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



46.0687, 57.1605, 78.4170



43.9866, 36.3504, 25.8186

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.



59.4212, 57.1605, 40.1129



46.0687, 57.1605, 78.4170



65.1366, 57.1605, 61.7770

Square

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



46.0687, 57.1605, 78.4170



59.7184, 57.1605, 90.6959



63.5228, 57.1605, 48.4532



49.2746, 57.1605, 40.4587

Rectangle

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



46.0687, 57.1605, 78.4170



52.7396, 57.1605, 95.6256



63.5228, 57.1605, 48.4532



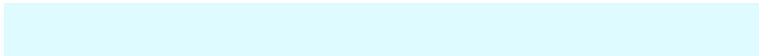
55.9507, 57.1605, 37.6966

Sweetspot

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



46.0704, 57.1627, 78.4183



82.6504, 91.7701, 107.9650



40.3915, 59.4410, 34.4868



17.2836, 19.3668, 23.0772



0.0000, 0.0000, 0.0000



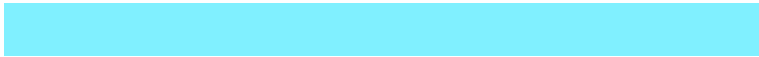
20.3446, 21.4041, 23.3091

Same Dimension

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



46.0704, 57.1627, 78.4183



58.0142, 74.0448, 105.8421



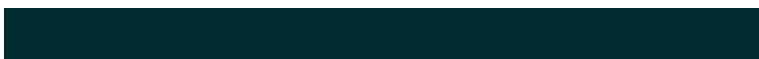
36.0993, 37.2205, 75.0946



13.9710, 15.2811, 17.6009



19.5766, 26.6227, 45.1553



1.3966, 1.9246, 3.1431

Inverse Universe

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



50.2992, 36.4082, 66.6662



64.6107, 42.8549, 87.2438



52.3066, 52.9904, 28.5919



14.2216, 13.9063, 16.9369



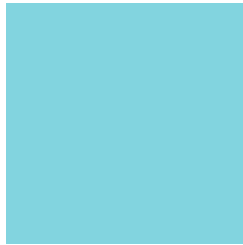
23.8215, 11.5956, 32.0557



1.6712, 0.8117, 2.3273

Previews

White Background



This preview shows how the XYZ color 46.0687, 57.1605, 78.4170 looks on a white background.

Color Contrast Check

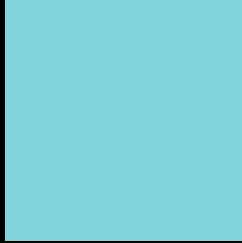
Large Text (above 18pt) WCAG AA × Fail

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 46.0687, 57.1605, 78.4170 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 46.0687, 57.1605, 78.4170

Background



This preview shows how black text looks on a background with the XYZ color 46.0687, 57.1605, 78.4170.



This preview shows how white text looks on a background with the XYZ color 46.0687, 57.1605,

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

46.0687, 57.1605, 78.4170

Protanopia

55.1298, 56.6579, 71.6487

Deuteranopia

57.8369, 56.5233, 80.5348



Tritanopia

46.6579, 57.0153, 81.9447

Trichromacy



Original Color

46.0687, 57.1605, 78.4170

Protanomaly

50.8785, 56.1351, 73.7992

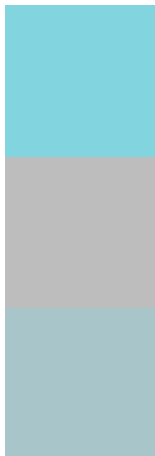
Deuteranomaly

52.5132, 56.1467, 80.0212

Tritanomaly

46.3818, 56.9048, 80.4907

Monochromacy



Original Color

46.0687, 57.1605, 78.4170

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

46.6573, 52.4744, 62.9278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0687, 57.1605, 78.4170 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(130, 212, 223)` looks like.

```
.text, #text, p{  
    color:rgb(130, 212, 223)  
}
```

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(130, 212, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 212, 223) }
```

Border

The CSS property to change the border of an element to XYZ 46.0687, 57.1605, 78.4170 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(130, 212, 223) }
```


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

```
.border{ border-color:rgb(130, 212, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 212, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 212, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 212, 223);  
box-shadow:4px 4px 4px 4px rgb(130, 212,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0687, 57.1605, 78.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 212, 223) }
```

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

```
.background{ background-color: rgb(130,  
212, 223) }
```

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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