

Converting Colors

XYZ(45.3486, 57.3425, 87.2753)

Have a look what the booklet for
XYZ(45.3486, 57.3425, 87.2753)
contains.

XYZ(45.3486, 57.3425, 87.2753)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.3486, 57.3425,
87.2753)**

Conversions

Conversions Part 1

Format	Color
Hex	6DD6EB
RGB	109, 214, 235
RGB Percent	43%, 84%, 92%
CMY	0.5725, 0.1608, 0.0784
CMYK	0.54, 0.09, 0.00, 0.08
HSL	190°, 76%, 67%
HSV	190°, 54%, 92%
XYZ	45.3486, 57.3425, 87.2753
YIQ	184.9990, -69.3210, -15.7290

Conversions

Conversions Part 2

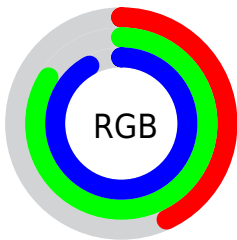
Format	Color
RYB	109, 166, 235
Decimal	7198443
CIELab	80.37, -24.69, -19.63
CIELCh	80, 31.543, 218.475
Yxy	57.3425, 0.2387, 0.3019
Android (android.graphics.Color)	4285388523 (0xFF6DD6EB)
YUV	184.9990, 24.6505, -66.6511
Hunter-Lab	75.7248, -25.6219, -15.3262

Details

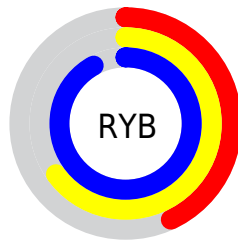
The XYZ color **45.3486, 57.3425, 87.2753** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.0051, 34.7329, 18.8017**, and the grayscale version is **46.0101, 48.4062, 52.7143**.

A 20% lighter version of the original color is **70.1722, 87.1750, 107.7357**, and **21.4493, 28.5224, 47.0227** is the 20% darker color. If you saturate the color by 10%, you get **41.8560, 54.0894, 86.8325**, and if you desaturate by 10%, it is **49.6412, 61.0459, 87.7649**.

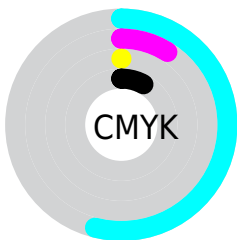
Distribution



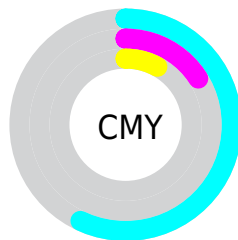
- Red (43%)
- Green (84%)
- Blue (92%)



- Red (43%)
- Yellow (65%)
- Blue (92%)



- Cyan (54%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)



- Cyan (57%)
- Magenta (16%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3486, 57.3425, 87.2753 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 45.3486, 57.3425, 87.2753 by changing the saturation by 10% instead.

45.3486, 57.3425,
87.2753

45.3486, 57.3425,
87.2753

358.9436,
414.7315, 539.4668

31.9345, 41.2803,
65.1621

82.4771, 100.9648,
145.4501

21.4668, 28.5382,
47.1404

106.9223,
129.2936, 182.3487

13.5801, 18.7317,
32.7915

135.7752,
162.4801, 225.0130

7.9089, 11.4766,
21.6970

169.4013,
200.9087, 273.8613

4.0880, 6.3884,
13.4382

208.1658,
244.9637, 329.3123

1.7521, 3.0826,
7.5967

252.4341,

0.4885, 1.1750,

295.0296, 391.7846

3.7540

302.5715,
351.4907, 461.6965

■ 0.0000, 0.0412,
1.4914

■ 0.0000, 0.0000,
0.2115

■ 45.3486, 57.3425,
87.2753

■ 45.3486, 57.3425,
87.2753

■ 41.8560, 54.0894,
86.8325

■ 49.6412, 61.0459,
87.7649

■ 39.0949, 51.2473,
86.4295


■ 54.7849, 65.2224,
88.3000


■ 36.9939, 48.7804,
86.0640


■ 60.8323, 69.9007,
88.8842


■ 35.4640, 46.6425,
85.7320


■ 67.8307, 75.1053,
89.5200


 34.6988, 45.4046,
85.5334

 75.8236, 80.8589,
90.2093

 84.8520, 87.1829,
90.9541

 87.8149, 90.4169,
91.4221

 88.9894, 92.7659,
91.8136

 90.1890, 95.1651,
92.2135

Harmonies

Analogous

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



43.1213, 57.3425, 67.8246



45.3486, 57.3425, 87.2753



50.0726, 57.3425, 101.6997

Triad

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



45.3486, 57.3425, 87.2753



66.8873, 57.3425, 76.4126



52.6929, 57.3425, 33.4568

Complementary

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



45.3486, 57.3425, 87.2753



45.0051, 34.7329, 18.8017

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.



59.1859, 57.3425, 34.8558



45.3486, 57.3425, 87.2753



67.7280, 57.3425, 57.3411

Square

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



45.3486, 57.3425, 87.2753



62.5978, 57.3425, 94.6161



64.8117, 57.3425, 42.8232



47.1367, 57.3425, 38.5308

Rectangle

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



45.3486, 57.3425, 87.2753



54.1726, 57.3425, 105.1538



64.8117, 57.3425, 42.8232



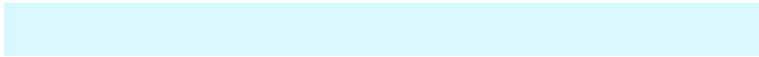
54.8334, 57.3425, 33.2095

Sweetspot

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



45.3504, 57.3447, 87.2767



79.4690, 88.8044, 107.5602



39.9061, 64.2250, 30.6827



16.6291, 18.7262, 22.9880



0.0000, 0.0000, 0.0000



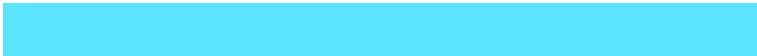
20.3446, 21.4041, 23.3091

Same Dimension

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



45.3504, 57.3447, 87.2767



50.1326, 64.8628, 104.4853



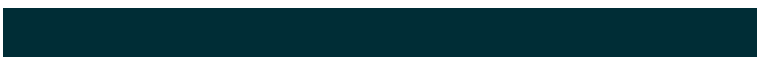
32.7113, 32.0664, 83.0636



15.2916, 16.6696, 19.3339



19.3924, 25.4319, 47.6297



1.5795, 2.1105, 3.7590

Inverse Universe

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



51.8687, 33.4561, 67.3445



59.0259, 34.4701, 76.7970



55.6316, 55.9859, 22.3439



15.6007, 15.2681, 18.4488



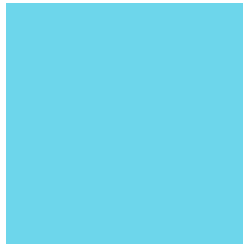
24.6437, 12.0602, 30.2548



1.9638, 0.9585, 2.5265

Previews

White Background



This preview shows how the XYZ color 45.3486, 57.3425, 87.2753 looks on a white background.

Color Contrast Check

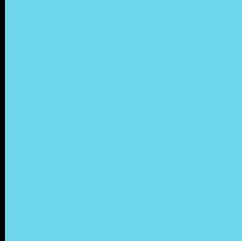
Large Text (above 18pt) WCAG AA × Fail

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 45.3486, 57.3425, 87.2753 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 45.3486, 57.3425, 87.2753

Background



This preview shows how black text looks on a background with the XYZ color 45.3486, 57.3425, 87.2753.



This preview shows how white text looks on a background with the XYZ color 45.3486, 57.3425,

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

45.3486, 57.3425, 87.2753

Protanopia

55.6689, 56.7837, 78.5473

Deuteranopia

57.8977, 56.6859, 89.5513



Tritanopia

45.0503, 57.6152, 85.0904

Trichromacy



Original Color

45.3486, 57.3425, 87.2753

Protanomaly

50.4638, 56.0998, 81.5674

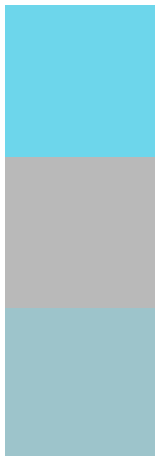
Deuteranomaly

51.8363, 55.9457, 88.9554

Tritanomaly

45.1928, 57.6722, 85.8407

Monochromacy



Original Color

45.3486, 57.3425, 87.2753

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.4240, 50.9598, 63.9947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3486, 57.3425, 87.2753 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(109, 214, 235)` looks like.

```
.text, #text, p{  
    color:rgb(109, 214, 235)  
}
```

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(109, 214, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 214, 235) }
```

Border

The CSS property to change the border of an element to XYZ 45.3486, 57.3425, 87.2753 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(109, 214, 235) }
```


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

```
.border{ border-color:rgb(109, 214, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 214, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 214, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 214, 235);  
box-shadow:4px 4px 4px 4px rgb(109, 214,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3486, 57.3425, 87.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 214, 235) }
```

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

```
.background{ background-color: rgb(109,  
214, 235) }
```

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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