

Converting Colors

XYZ(45.4575, 51.6528, 88.6344)

Have a look what the booklet for
XYZ(45.4575, 51.6528, 88.6344)
contains.

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Color

**XYZ(45.4582, 51.6295,
88.4585)**

Conversions

Conversions Part 1

Format	Color
Hex	86C6EE
RGB	134, 198, 238
RGB Percent	53%, 78%, 93%
CMY	0.4745, 0.2235, 0.0667
CMYK	0.44, 0.17, 0.00, 0.07
HSL	203°, 75%, 73%
HSV	203°, 44%, 93%
XYZ	45.4582, 51.6295, 88.4585
YIQ	183.4240, -50.9840, -1.1280

Conversions

Conversions Part 2

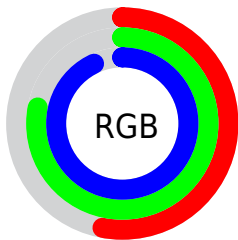
Format	Color
RYB	134, 174, 238
Decimal	8832750
CIELab	77.06, -10.10, -26.17
CIELCh	77, 28.054, 248.900
Yxy	51.6295, 0.2450, 0.2783
Android (android.graphics.Color)	4287022830 (0xFF86C6EE)
YUV	183.4240, 26.9060, -43.3448
Hunter-Lab	71.8537, -12.8160, -22.6939

Details

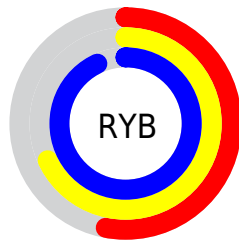
The XYZ color **45.4582, 51.6295, 88.4585** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.7003, 50.1719, 29.3571**, and the grayscale version is **45.1208, 47.4706, 51.6955**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **21.4773, 24.9017, 47.9305** is the 20% darker color. If you saturate the color by 10%, you get **40.0539, 45.8317, 87.6252**, and if you desaturate by 10%, it is **51.8458, 58.1242, 89.3764**.

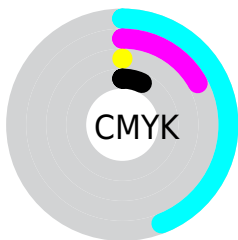
Distribution



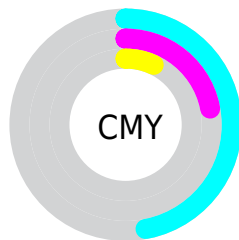
- Red (53%)
- Green (78%)
- Blue (93%)



- Red (53%)
- Yellow (68%)
- Blue (93%)



- Cyan (44%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (47%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4582, 51.6295, 88.4585 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 45.4582, 51.6295, 88.4585 by changing the saturation by 10% instead.

■ 45.4582, 51.6295,
88.4585

■ 45.4582, 51.6295,
88.4585

359.3787,
393.0046, 543.4437

■ 32.0213, 36.7098,
66.1364

■ 82.6404, 92.5846,
147.1121

■ 21.5334, 24.9829,
47.9259

■ 107.1164,
119.3888, 184.2806

■ 13.6291, 16.0643,
33.4087

■ 136.0028,
150.9234, 227.2349

■ 7.9431, 9.5697,
22.1660

169.6650,
187.5726, 276.3937

■ 4.1101, 5.1146,
13.7794

208.4684,
229.7210, 332.1754

■ 1.7646, 2.3147,
7.8304

252.7782,

■ 0.4962, 0.7814,

277.7528, 394.9987

3.9004

302.9598,
332.0526, 465.2819

■ 0.0000, 0.0000,
1.5709

■ 0.0000, 0.0000,
0.2699

■ 45.4582, 51.6295,
88.4585

■ 45.4582, 51.6295,
88.4585

■ 40.0539, 45.8317,
87.6252

■ 51.8458, 58.1242,
89.3764

■ 35.5678, 40.6906,
86.8693

■ 59.2666, 65.3412,
90.3783

■ 31.9340, 36.1700,
86.1882

■ 67.7725, 73.3118,
91.4684

■ 29.0749, 32.2263,
85.5777

■ 77.4105, 82.0631,
92.6496

■ 26.8962, 28.8074,
85.0326

■ 88.2248, 91.6209,
93.9245

■ 25.7833, 26.8742,
84.7182

■ 91.7746, 97.6367,
94.8986

■ 92.4328, 98.9531,
95.1180

Harmonies

Analogous

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



41.4875, 51.6295, 76.8408



45.4582, 51.6295, 88.4585



50.6826, 51.6295, 90.6710

Triad

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



45.4582, 51.6295, 88.4585



59.9638, 51.6295, 51.7759



42.8864, 51.6295, 36.2481

Complementary

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



45.4582, 51.6295, 88.4585



54.7003, 50.1719, 29.3571

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.



47.4965, 51.6295, 31.8256



45.4582, 51.6295, 88.4585



57.5294, 51.6295, 39.6571

Square

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



45.4582, 51.6295, 88.4585



59.3188, 51.6295, 67.5135



52.8730, 51.6295, 32.9486



40.0794, 51.6295, 46.2544

Rectangle

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



45.4582, 51.6295, 88.4585



54.2184, 51.6295, 86.1848



52.8730, 51.6295, 32.9486



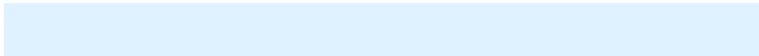
44.2625, 51.6295, 34.1502

Sweetspot

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



45.4599, 51.6315, 88.4597



79.9549, 86.3792, 107.0665



48.0345, 69.2694, 50.8166



16.6138, 18.0272, 22.8539



0.0000, 0.0000, 0.0000



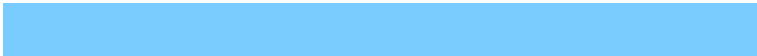
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4599, 51.6315, 88.4597



47.7259, 54.5730, 102.6260



35.5652, 31.8421, 85.1615



15.7072, 16.8485, 20.1458



14.5134, 15.2510, 47.3067



1.3034, 1.4607, 3.9675

Inverse Universe

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



53.9795, 39.3062, 58.1698



59.1479, 39.6372, 61.6606



66.7243, 74.2198, 33.3651



16.1816, 15.9224, 18.5128



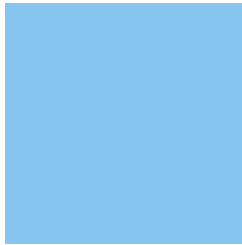
22.6513, 11.3329, 16.6122



1.9328, 0.9622, 1.6371

Previews

White Background



This preview shows how the XYZ color 45.4582, 51.6295, 88.4585 looks on a white background.

Color Contrast Check

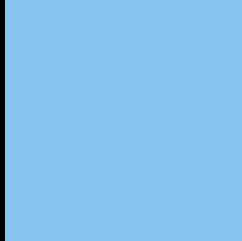
Large Text (above 18pt) WCAG AA × Fail

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 45.4582, 51.6295, 88.4585 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 45.4582, 51.6295, 88.4585

Background



This preview shows how black text looks on a background with the XYZ color 45.4582, 51.6295, 88.4585.

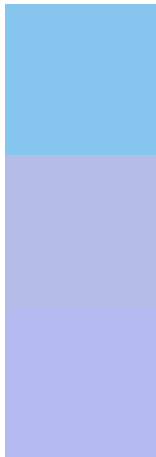


This preview shows how white text looks on a background with the XYZ color 45.4582, 51.6295,

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

45.4582, 51.6295, 88.4585

Protanopia

51.2294, 51.4393, 82.8300

Deuteranopia

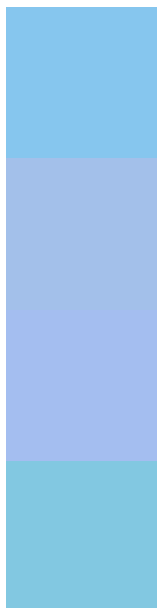
52.4921, 51.2924, 90.3529



Tritanopia

42.4436, 51.4244, 74.0186

Trichromacy



Original Color

45.4582, 51.6295, 88.4585

Protanomaly

48.8052, 51.4263, 85.1959

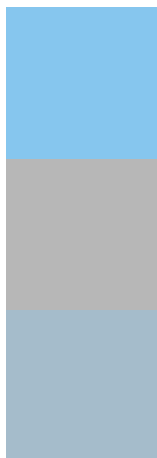
Deuteranomaly

49.4515, 51.0107, 89.6778

Tritanomaly

43.4508, 51.4906, 78.8827

Monochromacy



Original Color

45.4582, 51.6295, 88.4585

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.2798, 48.2776, 63.4846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4582, 51.6295, 88.4585 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(134, 198, 238)` looks like.

```
.text, #text, p{  
    color:rgb(134, 198, 238)  
}
```

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(134, 198, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 198, 238) }
```

Border

The CSS property to change the border of an element to XYZ 45.4582, 51.6295, 88.4585 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(134, 198, 238) }
```


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

```
.border{ border-color:rgb(134, 198, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 198, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 198, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 198, 238);  
box-shadow:4px 4px 4px 4px rgb(134, 198,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4582, 51.6295, 88.4585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 198, 238) }
```

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

```
.background{ background-color: rgb(134,  
198, 238) }
```

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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