

Converting Colors

XYZ(41.1238, 52.6984, 84.9659)

Have a look what the booklet for
XYZ(41.1238, 52.6984, 84.9659)
contains.

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Color

**XYZ(41.1406, 52.6327,
85.0816)**

Conversions

Conversions Part 1

Format	Color
Hex	59CFE9
RGB	89, 207, 233
RGB Percent	35%, 81%, 91%
CMY	0.6510, 0.1882, 0.0863
CMYK	0.62, 0.11, 0.00, 0.09
HSL	191°, 77%, 63%
HSV	191°, 62%, 91%
XYZ	41.1406, 52.6327, 85.0816
YIQ	174.6820, -78.6740, -16.9300

Conversions

Conversions Part 2

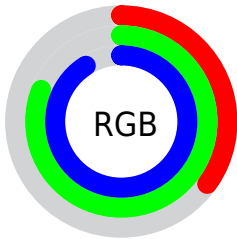
Format	Color
R _Y B	89, 154, 233
Decimal	5885929
CIE Lab	77.66, -25.47, -22.73
CIE LCh	78, 34.144, 221.748
Yxy	52.6327, 0.2300, 0.2943
Android (android.graphics.Color)	4284076009 (0xFF59CFE9)
YUV	174.6820, 28.7508, -75.1431
Hunter-Lab	72.5484, -25.7363, -18.7489

Details

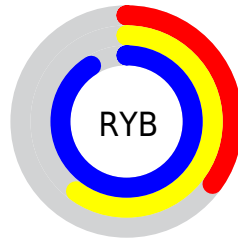
The XYZ color **41.1406, 52.6327, 85.0816** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **41.5395, 30.3080, 13.1134**, and the grayscale version is **40.4704, 42.5780, 46.3674**.

A 20% lighter version of the original color is **66.7589, 85.4154, 107.5760**, and **19.1640, 25.6308, 45.5322** is the 20% darker color. If you saturate the color by 10%, you get **38.2431, 49.6471, 84.6590**, and if you desaturate by 10%, it is **44.7759, 56.0412, 85.5489**.

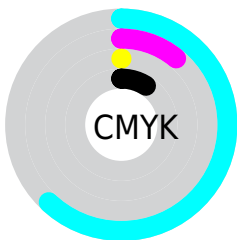
Distribution



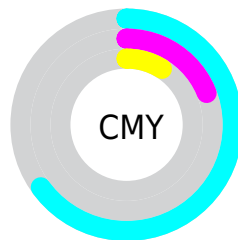
- Red (35%)
- Green (81%)
- Blue (91%)



- Red (35%)
- Yellow (60%)
- Blue (91%)



- Cyan (62%)
- Magenta (11%)
- Yellow (0%)
- Black (9%)



- Cyan (65%)
- Magenta (19%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1406, 52.6327, 85.0816 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 41.1406, 52.6327, 85.0816 by changing the saturation by 10% instead.

41.1406, 52.6327,
85.0816

41.1406, 52.6327,
85.0816

341.9605,
396.8743, 532.0497

28.6171, 37.5096,
63.3583

76.1706, 94.0637,
142.3624

18.9342, 25.6023,
45.6882

99.4079, 121.1404,
178.7569

11.7265, 16.5264,
31.6530

126.9472,
152.9704, 220.8788

6.6286, 9.8974,
20.8340

159.1537,
189.9382, 269.1468

3.2752, 5.3310,
12.8126

196.3930,
232.4280, 323.9793

1.3009, 2.4427,
7.1704

239.0303,

0.1839, 0.8477,

280.8244, 385.7950

3.4889

287.4310,
335.5117, 455.0122

■ 0.0000, 0.0000,
1.3493

■ 0.0000, 0.0000,
0.1017

■ 41.1406, 52.6327,
85.0816

■ 41.1406, 52.6327,
85.0816

■ 38.2431, 49.6471,
84.6590

■ 44.7759, 56.0412,
85.5489

■ 36.0088, 47.0423,
84.2740

■ 49.2046, 59.8982,
86.0599

■ 34.3559, 44.7769,
83.9239

■ 54.4825, 64.2338,
86.6186

■ 33.3243, 43.1156,
83.6576

■ 60.6588, 69.0739,
87.2273

67.7790, 74.4421,
87.8882

75.8855, 80.3605,
88.6033

85.0177, 86.8499,
89.3746

87.3023, 89.8515,
89.8335

88.5597, 92.3663,
90.2527

Harmonies

Analogous

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



38.5991, 52.6327, 65.0330



41.1406, 52.6327, 85.0816



46.1547, 52.6327, 99.2284

Triad

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



41.1406, 52.6327, 85.0816



63.0747, 52.6327, 69.4642



47.4856, 52.6327, 28.5764

Complementary

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



41.1406, 52.6327, 85.0816



41.5395, 30.3080, 13.1134

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.



54.1075, 52.6327, 29.2529



41.1406, 52.6327, 85.0816



63.5107, 52.6327, 50.2205

Square

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



41.1406, 52.6327, 85.0816



58.9626, 52.6327, 88.9337



60.1062, 52.6327, 36.3505



42.0409, 52.6327, 34.2397

Rectangle

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



41.1406, 52.6327, 85.0816



50.4140, 52.6327, 101.8643



60.1062, 52.6327, 36.3505



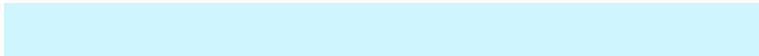
49.6396, 52.6327, 28.1108

Sweetspot

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



41.1423, 52.6346, 85.0829



76.6891, 86.4858, 107.2592



36.2408, 61.5952, 25.6036



15.9041, 18.1213, 22.9095



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.



41.1423, 52.6346, 85.0829



46.1550, 60.0647, 103.7688



27.7751, 25.9003, 80.6271



15.2730, 16.6324, 19.3276



18.9923, 24.6316, 47.4963



1.5516, 2.0547, 3.7497

Inverse Universe

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



48.4406, 28.9750, 62.0731



56.2476, 30.4083, 71.2626



52.7578, 52.7446, 16.8529



15.5913, 15.2644, 18.3992



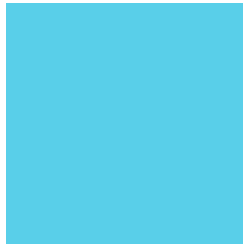
24.4417, 11.9794, 29.1912



1.9497, 0.9528, 2.4524

Previews

White Background



This preview shows how the XYZ color 41.1406, 52.6327, 85.0816 looks on a white background.

Color Contrast Check

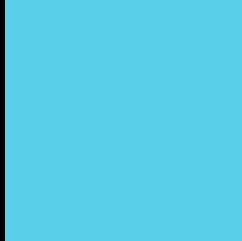
Large Text (above 18pt) WCAG AA × Fail

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 41.1406, 52.6327, 85.0816 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 41.1406, 52.6327, 85.0816

Background



This preview shows how black text looks on a background with the XYZ color 41.1406, 52.6327, 85.0816.



This preview shows how white text looks on a background with the XYZ color 41.1406, 52.6327,

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

41.1406, 52.6327, 85.0816

Protanopia

51.2563, 51.9299, 75.7286

Deuteranopia

53.0640, 51.9694, 87.3551



Tritanopia

39.8928, 52.4793, 79.2611

Trichromacy



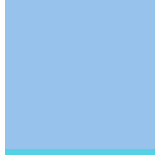
Original Color

41.1406, 52.6327, 85.0816



Protanomaly

45.9082, 51.4001, 78.7358



Deuteranomaly

47.0098, 51.1237, 86.7471



Tritanomaly

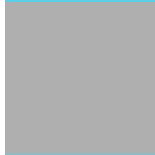
40.3972, 52.6916, 81.4401

Monochromacy



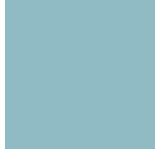
Original Color

41.1406, 52.6327, 85.0816



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

39.2357, 45.4555, 58.9304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1406, 52.6327, 85.0816 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(89, 207, 233)` looks like.

```
.text, #text, p{  
    color:rgb(89, 207, 233)  
}
```

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(89, 207, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 207, 233) }
```

Border

The CSS property to change the border of an element to XYZ 41.1406, 52.6327, 85.0816 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(89, 207, 233) }
```


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

```
.border{ border-color:rgb(89, 207, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 207, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 207, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 207, 233);  
box-shadow:4px 4px 4px 4px rgb(89, 207,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1406, 52.6327, 85.0816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 207, 233) }
```

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

```
.background{ background-color: rgb(89, 207,  
233) }
```

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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