

Converting Colors

XYZ(40.9469, 52.3989, 85.4987)

Have a look what the booklet for
XYZ(40.9469, 52.3989, 85.4987)
contains.

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Color

**XYZ(41.0946, 52.5924,
85.8273)**

Conversions

Conversions Part 1

Format	Color
Hex	57CFEA
RGB	87, 207, 234
RGB Percent	34%, 81%, 92%
CMY	0.6588, 0.1882, 0.0823
CMYK	0.63, 0.12, 0.00, 0.08
HSL	191°, 78%, 63%
HSV	191°, 63%, 92%
XYZ	41.0946, 52.5924, 85.8273
YIQ	174.1980, -80.1870, -17.0430

Conversions

Conversions Part 2

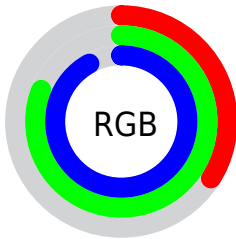
Format	Color
R _Y B	87, 153, 234
Decimal	5754858
CIE Lab	77.63, -25.51, -23.31
CIE LCh	78, 34.559, 222.421
Yxy	52.5924, 0.2289, 0.2930
Android (android.graphics.Color)	4283944938 (0xFF57CFEA)
YUV	174.1980, 29.4824, -76.4726
Hunter-Lab	72.5206, -25.7621, -19.4046

Details

The XYZ color **41.0946, 52.5924, 85.8273** 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 **41.6708, 30.2170, 12.6548**, and the grayscale version is **40.2185, 42.3130, 46.0788**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **19.2641, 25.6708, 46.0591** is the 20% darker color. If you saturate the color by 10%, you get **38.2268, 49.5902, 85.4000**, and if you desaturate by 10%, it is **44.7019, 56.0201, 86.2998**.

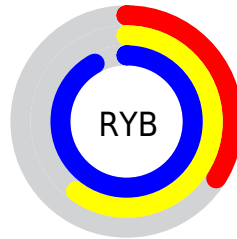
Distribution



Red (34%)

Green (81%)

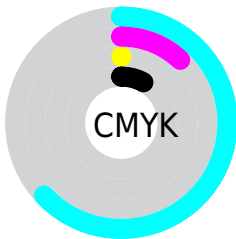
Blue (92%)



Red (34%)

Yellow (60%)

Blue (92%)

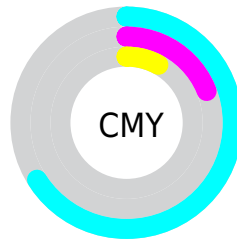


Cyan (63%)

Magenta (12%)

Yellow (0%)

Black (8%)



Cyan (66%)

Magenta (19%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0946, 52.5924, 85.8273 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 41.0946, 52.5924, 85.8273 by changing the saturation by 10% instead.

41.0946, 52.5924,
85.8273

41.0946, 52.5924,
85.8273

341.7717,
396.7194, 534.5774

28.5810, 37.4775,
63.9711

76.1013, 94.0043,
143.4129

18.9068, 25.5774,
46.1812

99.3251, 121.0701,
179.9793

11.7065, 16.5078,
32.0392

126.8497,
152.8883, 222.2863

6.6150, 9.8842,
21.1263

159.0404,
189.8433, 270.7523

3.2667, 5.3222,
13.0242

196.2626,
232.3195, 325.7958

1.2963, 2.4375,
7.3143

238.8816,

0.1804, 0.8451,

280.7014, 387.8355

3.5780

287.2629,
335.3732, 457.2899

■ 0.0000, 0.0000,
1.3968

■ 0.0000, 0.0000,
0.1392

■ 41.0946, 52.5924,
85.8273

■ 41.0946, 52.5924,
85.8273

■ 38.2268, 49.5902,
85.4000

■ 44.7019, 56.0201,
86.2998

■ 36.0219, 46.9705,
85.0105

■ 49.1057, 59.8996,
86.8165

■ 34.3953, 44.6902,
84.6561

■ 54.3630, 64.2619,
87.3814

■ 33.4871, 43.2119,
84.4186

■ 60.5239, 69.1331,
87.9969

67.6349, 74.5374,
88.6653

75.7388, 80.4973,
89.3885

84.8762, 87.0340,
90.1686

87.6612, 90.3401,
90.6600

88.9512, 92.9202,
91.0900

Harmonies

Analogous

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



38.4663, 52.5924, 65.5442



41.0946, 52.5924, 85.8273



46.2086, 52.5924, 99.9643

Triad

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



41.0946, 52.5924, 85.8273



63.2555, 52.5924, 69.1051



47.2760, 52.5924, 28.3341

Complementary

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



41.0946, 52.5924, 85.8273



41.6708, 30.2170, 12.6548

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.



53.9670, 52.5924, 28.8734



41.0946, 52.5924, 85.8273



63.6061, 52.5924, 49.7126

Square

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



41.0946, 52.5924, 85.8273



59.1598, 52.5924, 88.9291



60.0788, 52.5924, 35.8661



41.8159, 52.5924, 34.1799

Rectangle

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



41.0946, 52.5924, 85.8273



50.5319, 52.5924, 102.4266



60.0788, 52.5924, 35.8661



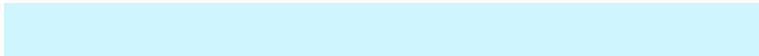
49.4471, 52.5924, 27.8193

Sweetspot

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



41.0963, 52.5943, 85.8286



76.6431, 86.3938, 107.2439



36.3893, 62.0869, 25.9728



15.8929, 18.0988, 22.9057



0.0000, 0.0000, 0.0000



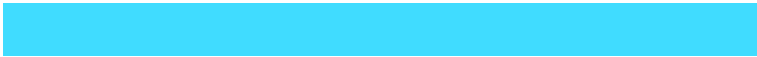
20.3446, 21.4041, 23.3091

Same Dimension

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



41.0963, 52.5943, 85.8286



45.7080, 59.4214, 103.6682



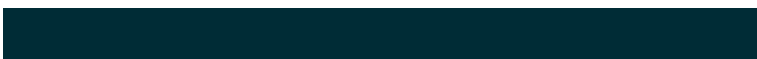
27.2466, 24.8950, 81.2120



15.2688, 16.6240, 19.3263



18.9036, 24.4543, 47.4668



1.5454, 2.0423, 3.7476

Inverse Universe

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



48.6038, 28.8155, 62.0337



55.9608, 30.0592, 70.4746



53.5194, 53.9143, 16.6043



15.5892, 15.2635, 18.3881



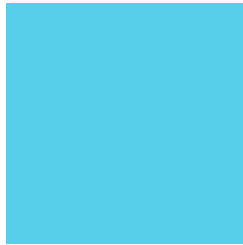
24.3970, 11.9615, 28.9555



1.9466, 0.9516, 2.4359

Previews

White Background



This preview shows how the XYZ color 41.0946, 52.5924, 85.8273 looks on a white background.

Color Contrast Check

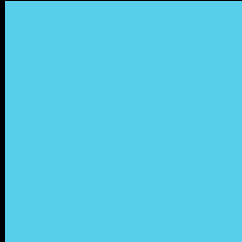
Large Text (above 18pt) WCAG AA × Fail

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 41.0946, 52.5924, 85.8273 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 41.0946, 52.5924, 85.8273

Background



This preview shows how black text looks on a background with the XYZ color 41.0946, 52.5924, 85.8273.



This preview shows how white text looks on a background with the XYZ color 41.0946, 52.5924,

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

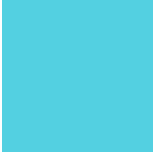
41.0946, 52.5924, 85.8273

Protanopia

51.1496, 51.8595, 76.4212

Deuteranopia

52.9701, 51.9040, 88.1156



Tritanopia

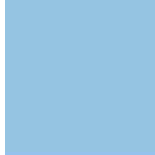
39.7138, 52.3870, 79.2527

Trichromacy



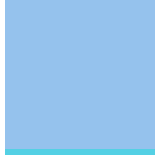
Original Color

41.0946, 52.5924, 85.8273



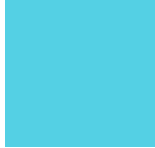
Protanomaly

45.8618, 51.3604, 79.4479



Deuteranomaly

46.9723, 51.0876, 87.5059



Tritanomaly

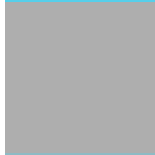
40.2156, 52.5980, 81.4316

Monochromacy



Original Color

41.0946, 52.5924, 85.8273



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

38.6780, 44.8541, 58.8437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0946, 52.5924, 85.8273 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(87, 207, 234)` looks like.

```
.text, #text, p{  
    color:rgb(87, 207, 234)  
}
```

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(87, 207, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 207, 234) }
```

Border

The CSS property to change the border of an element to XYZ 41.0946, 52.5924, 85.8273 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(87, 207, 234) }
```


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

```
.border{ border-color:rgb(87, 207, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 207, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 207, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 207, 234);  
box-shadow:4px 4px 4px 4px rgb(87, 207,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0946, 52.5924, 85.8273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 207, 234) }
```

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

```
.background{ background-color: rgb(87, 207,  
234) }
```

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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