

Converting Colors

XYZ(40.5585, 43.6968, 85.6073)

Have a look what the booklet for
XYZ(40.5585, 43.6968, 85.6073)
contains.

XYZ(40.5663, 43.6931, 85.6524)	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(40.5663, 43.6931,
85.6524)**

Conversions

Conversions Part 1

Format	Color
Hex	80B5EC
RGB	128, 181, 236
RGB Percent	50%, 71%, 93%
CMY	0.4980, 0.2902, 0.0745
CMYK	0.46, 0.23, 0.00, 0.07
HSL	211°, 74%, 71%
HSV	211°, 46%, 93%
XYZ	40.5663, 43.6931, 85.6524
YIQ	171.4230, -49.2430, 5.8690

Conversions

Conversions Part 2

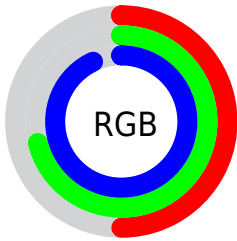
Format	Color
R _Y B	128, 164, 236
Decimal	8435180
CIE Lab	72.02, -2.95, -32.86
CIE LCh	72, 32.994, 264.862
Yxy	43.6931, 0.2387, 0.2572
Android (android.graphics.Color)	4286625260 (0xFF80B5EC)
YUV	171.4230, 31.8365, -38.0820
Hunter-Lab	66.1008, -6.1302, -30.5566

Details

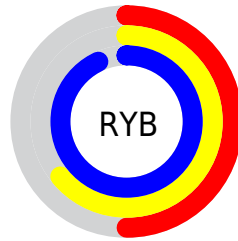
The XYZ color **40.5663, 43.6931, 85.6524** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.4231, 53.2599, 27.7828**, and the grayscale version is **38.7852, 40.8051, 44.4367**.

A 20% lighter version of the original color is **68.3418, 78.1027, 106.0811**, and **18.5559, 20.0732, 46.0765** is the 20% darker color. If you saturate the color by 10%, you get **35.0816, 37.3937, 84.7264**, and if you desaturate by 10%, it is **47.0903, 50.8430, 86.6894**.

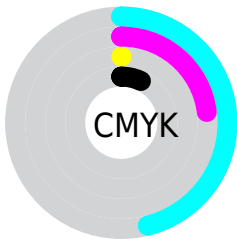
Distribution



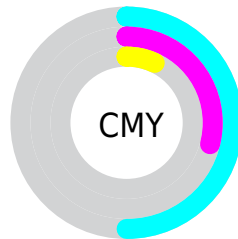
- Red (50%)
- Green (71%)
- Blue (93%)



- Red (50%)
- Yellow (64%)
- Blue (93%)



- Cyan (46%)
- Magenta (23%)
- Yellow (0%)
- Black (7%)



- Cyan (50%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5663, 43.6931, 85.6524 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 40.5663, 43.6931, 85.6524 by changing the saturation by 10% instead.

■ 40.5663, 43.6931,
85.6524

■ 40.5663, 43.6931,
85.6524

339.5983,
361.4544, 533.9851

■ 28.1665, 30.4293,
63.8273

■ 75.3040, 80.7557,
143.1666

■ 18.5923, 20.1647,
46.0655

■ 98.3726, 105.3234,
179.6927

■ 11.4783, 12.5148,
31.9485

■ 125.7281,
134.4277, 221.9564

■ 6.4592, 7.0953,
21.0577

157.7361,
168.4532, 270.3760

■ 3.1695, 3.5218,
12.9745

194.7617,
207.7843, 325.3701

■ 1.2440, 1.4098,
7.2805

237.1704,

■ 0.1407, 0.2239,

252.8052, 387.3573

3.5570

285.3275,
303.9005, 456.7562

■ 0.0000, 0.0000,
1.3856

■ 0.0000, 0.0000,
0.1305

■ 40.5663, 43.6931,
85.6524

■ 40.5663, 43.6931,
85.6524

■ 35.0816, 37.3937,
84.7264

■ 47.0903, 50.8430,
86.6894

■ 30.5683, 31.8993,
83.9037

■ 54.7067, 58.8757,
87.8385

■ 26.9568, 27.1668,
83.1806

■ 63.4700, 67.8277,
89.1045

■ 24.1650, 23.1451,
82.5515

■ 73.4297, 77.7313,
90.4911

■ 22.0922, 19.7737,
82.0100

■ 84.6321, 88.6174,
92.0019

■ 21.3646, 18.5044,
81.8033

■ 91.5419, 97.6390,
93.3791

■ 92.1405, 98.8362,
93.5786

Harmonies

Analogous

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



35.6003, 43.6931, 77.7268



40.5663, 43.6931, 85.6524



46.2526, 43.6931, 81.6453

Triad

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



40.5663, 43.6931, 85.6524



52.1551, 43.6931, 35.6850



33.2842, 43.6931, 31.8575

Complementary

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



40.5663, 43.6931, 85.6524



55.4231, 53.2599, 27.7828

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.



37.1384, 43.6931, 24.6098



40.5663, 43.6931, 85.6524



48.0818, 43.6931, 26.4442

Square

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



40.5663, 43.6931, 85.6524



53.2812, 43.6931, 50.4074



42.5068, 43.6931, 22.8793



31.6460, 43.6931, 44.8495

Rectangle

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



40.5663, 43.6931, 85.6524



49.6498, 43.6931, 73.1304



42.5068, 43.6931, 22.8793



34.3457, 43.6931, 28.7963

Sweetspot

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



40.5678, 43.6947, 85.6534



77.5857, 82.7905, 106.4987



47.3424, 67.9586, 54.8797



16.0853, 17.1964, 22.7214



0.0000, 0.0000, 0.0000



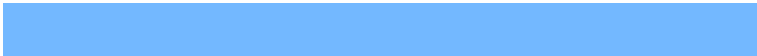
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5678, 43.6947, 85.6534



42.1400, 44.9532, 101.0636



31.7631, 26.0854, 82.7186



14.8416, 15.7696, 19.1838



11.9054, 10.4578, 45.1340



1.0309, 1.0133, 3.5761

Inverse Universe

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



50.6530, 36.6090, 48.1142



55.9496, 36.9075, 49.2899



68.4848, 79.3832, 32.1367



15.3736, 15.1773, 17.2526



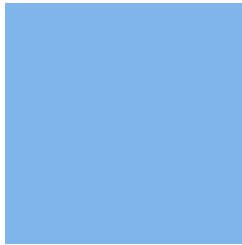
20.8646, 10.5485, 10.3543



1.6869, 0.8477, 1.0684

Previews

White Background



This preview shows how the XYZ color 40.5663, 43.6931, 85.6524 looks on a white background.

Color Contrast Check

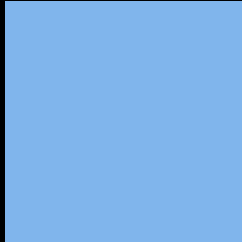
Large Text (above 18pt) WCAG AA × Fail

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 40.5663, 43.6931, 85.6524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

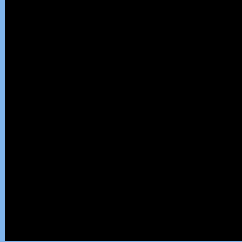
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5663, 43.6931, 85.6524

Background



This preview shows how black text looks on a background with the XYZ color 40.5663, 43.6931, 85.6524.



This preview shows how white text looks on a background with the XYZ color 40.5663, 43.6931,

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

40.5663, 43.6931, 85.6524

Protanopia

44.2578, 43.6187, 81.6879

Deuteranopia

44.4767, 43.3293, 86.9081



Tritanopia

35.9022, 43.6565, 62.4114

Trichromacy



Original Color

40.5663, 43.6931, 85.6524

Protanomaly

42.8245, 43.7170, 83.2719

Deuteranomaly

42.8440, 43.3681, 86.2335

Tritanomaly

37.5126, 43.6905, 70.0743

Monochromacy



Original Color

40.5663, 43.6931, 85.6524

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.6979, 41.5686, 57.6137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5663, 43.6931, 85.6524 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(128, 181, 236)` looks like.

```
.text, #text, p{  
    color:rgb(128, 181, 236)  
}
```

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(128, 181, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 181, 236) }
```

Border

The CSS property to change the border of an element to XYZ 40.5663, 43.6931, 85.6524 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(128, 181, 236) }
```


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

```
.border{ border-color:rgb(128, 181, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 181, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 181, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 181, 236);  
box-shadow:4px 4px 4px 4px rgb(128, 181,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5663, 43.6931, 85.6524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 181, 236) }
```

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

```
.background{ background-color: rgb(128,  
181, 236) }
```

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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