

Converting Colors

XYZ(40.3316, 43.1856, 85.2233)

Have a look what the booklet for
XYZ(40.3316, 43.1856, 85.2233)
contains.

XYZ(40.5148, 43.3658, 85.5920)	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(40.5148, 43.3658,
85.5920)**

Conversions

Conversions Part 1

Format	Color
Hex	81B4EC
RGB	129, 180, 236
RGB Percent	51%, 71%, 93%
CMY	0.4941, 0.2941, 0.0745
CMYK	0.45, 0.24, 0.00, 0.07
HSL	211°, 74%, 72%
HSV	211°, 45%, 93%
XYZ	40.5148, 43.3658, 85.5920
YIQ	171.1350, -48.3720, 6.6040

Conversions

Conversions Part 2

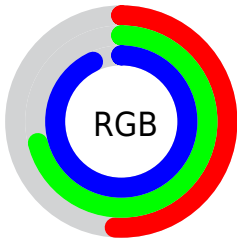
Format	Color
R _Y B	129, 164, 236
Decimal	8500460
CIE Lab	71.80, -2.16, -33.20
CIE LCh	72, 33.268, 266.270
Yxy	43.3658, 0.2391, 0.2559
Android (android.graphics.Color)	4286690540 (0xFF81B4EC)
YUV	171.1350, 31.9784, -36.9524
Hunter-Lab	65.8527, -5.4231, -30.9652

Details

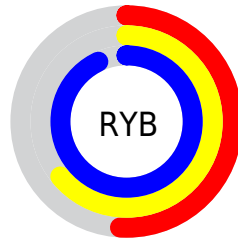
The XYZ color **40.5148, 43.3658, 85.5920** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.9046, 54.1170, 28.2695**, and the grayscale version is **38.6395, 40.6518, 44.2698**.

A 20% lighter version of the original color is **68.2952, 77.6500, 105.9962**, and **18.5001, 19.8517, 46.0367** is the 20% darker color. If you saturate the color by 10%, you get **34.9522, 36.9608, 84.6497**, and if you desaturate by 10%, it is **47.1304, 50.6452, 86.6492**.

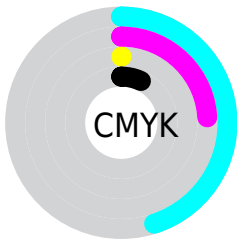
Distribution



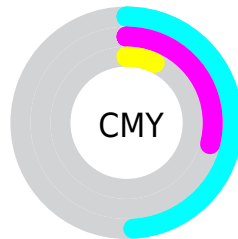
- Red (51%)
- Green (71%)
- Blue (93%)



- Red (51%)
- Yellow (64%)
- Blue (93%)



- Cyan (45%)
- Magenta (24%)
- Yellow (0%)
- Black (7%)



- Cyan (49%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5148, 43.3658, 85.5920 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 40.5148, 43.3658, 85.5920 by changing the saturation by 10% instead.

■ 40.5148, 43.3658,
85.5920

■ 40.5148, 43.3658,
85.5920

339.3860,
360.1140, 533.7805

■ 28.1262, 30.1722,
63.7777

■ 75.2262, 80.2626,
143.0815

■ 18.5617, 19.9694,
46.0256

■ 98.2796, 104.7346,
179.5938

■ 11.4561, 12.3728,
31.9172

■ 125.6187,
133.7348, 221.8424

■ 6.4441, 6.9981,
21.0340

157.6087,
167.6478, 270.2460

■ 3.1601, 3.4609,
12.9574

194.6151,
206.8577, 325.2231

■ 1.2390, 1.3768,
7.2688

237.0032,

■ 0.1368, 0.1996,

251.7492, 387.1921

3.5498

285.1384,
302.7064, 456.5718

■ 0.0000, 0.0000,
1.3818

■ 0.0000, 0.0000,
0.1274

■ 40.5148, 43.3658,
85.5920

■ 40.5148, 43.3658,
85.5920

■ 34.9522, 36.9608,
84.6497

■ 47.1304, 50.6452,
86.6492

■ 30.3745, 31.3840,
83.8145

■ 54.8523, 58.8322,
87.8225

■ 26.7121, 26.5914,
83.0825

■ 63.7353, 67.9639,
89.1169

■ 23.8826, 22.5313,
82.4480

■ 73.8293, 78.0736,
90.5362

■ 21.7860, 19.1423,
81.9043

■ 85.1807, 89.1927,
92.0841

■ 20.9886, 17.7524,
81.6781

■ 91.8577, 98.2705,
93.4844

■ 92.1405, 98.8362,
93.5787

Harmonies

Analogous

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



35.4720, 43.3658, 78.1276



40.5148, 43.3658, 85.5920



46.2184, 43.3658, 80.9950

Triad

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



40.5148, 43.3658, 85.5920



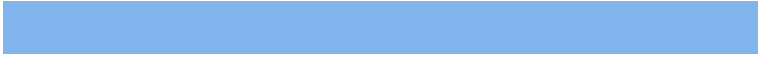
51.7534, 43.3658, 34.7366



32.8228, 43.3658, 31.9557

Complementary

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



40.5148, 43.3658, 85.5920



55.9046, 54.1170, 28.2695

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.



36.5917, 43.3658, 24.4429



40.5148, 43.3658, 85.5920



47.5530, 43.3658, 25.7719

Square

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



40.5148, 43.3658, 85.5920



53.0438, 43.3658, 49.2722



41.9291, 43.3658, 22.4683



31.2949, 43.3658, 45.2216

Rectangle

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



40.5148, 43.3658, 85.5920



49.5818, 43.3658, 72.1713



41.9291, 43.3658, 22.4683



33.8518, 43.3658, 28.8026

Sweetspot

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



40.5163, 43.3674, 85.5930



77.4403, 82.4997, 106.4502



47.7314, 68.1317, 56.1397



16.0499, 17.1256, 22.7096



0.0000, 0.0000, 0.0000



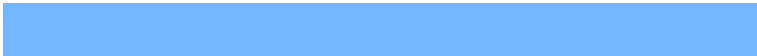
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5163, 43.3674, 85.5930



42.3462, 44.8621, 101.0351



32.3185, 26.5662, 82.7821



14.8235, 15.7334, 19.1778



11.6970, 10.0411, 45.0646



1.0143, 0.9800, 3.5706

Inverse Universe

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



50.6818, 36.8301, 47.6194



56.1766, 37.4687, 49.0346



67.9618, 79.1060, 32.4574



15.3644, 15.1736, 17.2044



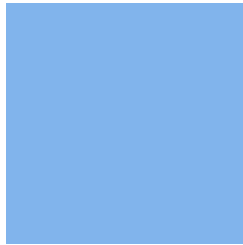
20.7594, 10.5065, 9.8004



1.6785, 0.8443, 1.0241

Previews

White Background



This preview shows how the XYZ color 40.5148, 43.3658, 85.5920 looks on a white background.

Color Contrast Check

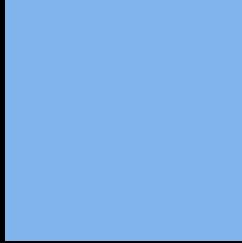
Large Text (above 18pt) WCAG AA × Fail

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 40.5148, 43.3658, 85.5920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

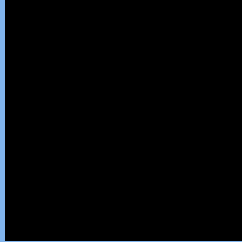
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

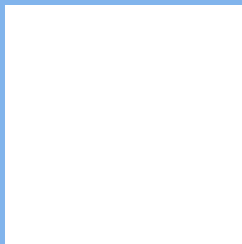
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5148, 43.3658, 85.5920

Background



This preview shows how black text looks on a background with the XYZ color 40.5148, 43.3658, 85.5920.



This preview shows how white text looks on a background with the XYZ color 40.5148, 43.3658,

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

40.5148, 43.3658, 85.5920

Protanopia

43.8646, 43.1302, 81.6144

Deuteranopia

44.2808, 43.2283, 86.8990



Tritanopia

35.7093, 43.2568, 61.7257

Trichromacy



Original Color

40.5148, 43.3658, 85.5920

Protanomaly

42.6277, 43.3234, 83.2063

Deuteranomaly

42.8440, 43.3681, 86.2335

Tritanomaly

37.4465, 43.3470, 70.0115

Monochromacy



Original Color

40.5148, 43.3658, 85.5920

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.6967, 41.2802, 57.5581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5148, 43.3658, 85.5920 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(129, 180, 236)` looks like.

```
.text, #text, p{  
    color:rgb(129, 180, 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(129, 180, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 180, 236) }
```

Border

The CSS property to change the border of an element to XYZ 40.5148, 43.3658, 85.5920 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(129, 180, 236) }
```


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

```
.border{ border-color:rgb(129, 180, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 180, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 180, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 180, 236);  
box-shadow:4px 4px 4px 4px rgb(129, 180,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5148, 43.3658, 85.5920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 180, 236) }
```

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

```
.background{ background-color: rgb(129,  
180, 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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