

Converting Colors

XYZ(44.7321, 51.7298, 84.0325)

Have a look what the booklet for
XYZ(44.7321, 51.7298, 84.0325)
contains.

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Color

**XYZ(44.6618, 51.6596,
83.9613)**

Conversions

Conversions Part 1

Format	Color
Hex	85C7E8
RGB	133, 199, 232
RGB Percent	52%, 78%, 91%
CMY	0.4784, 0.2196, 0.0902
CMYK	0.43, 0.14, 0.00, 0.09
HSL	200°, 68%, 72%
HSV	200°, 43%, 91%
XYZ	44.6618, 51.6596, 83.9613
YIQ	183.0280, -49.9290, -3.7290

Conversions

Conversions Part 2

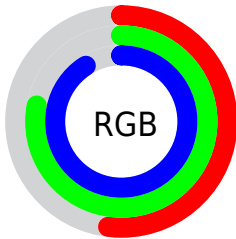
Format	Color
RYB	133, 173, 232
Decimal	8767464
CIELab	77.08, -12.47, -22.92
CIElCh	77, 26.098, 241.447
Yxy	51.6596, 0.2477, 0.2865
Android (android.graphics.Color)	4286957544 (0xFF85C7E8)
YUV	183.0280, 24.1432, -43.8746
Hunter-Lab	71.8746, -14.8634, -18.9482

Details

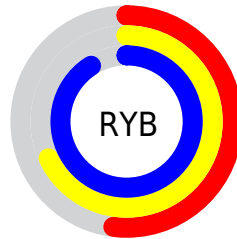
The XYZ color **44.6618, 51.6596, 83.9613** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.1497, 46.1229, 28.3987**, and the grayscale version is **44.9179, 47.2572, 51.4630**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **21.0224, 24.9632, 44.7847** is the 20% darker color. If you saturate the color by 10%, you get **39.6616, 46.5083, 83.2315**, and if you desaturate by 10%, it is **50.5646, 57.4127, 84.7616**.

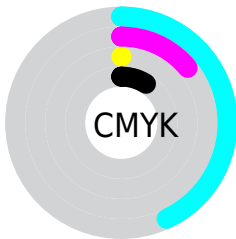
Distribution



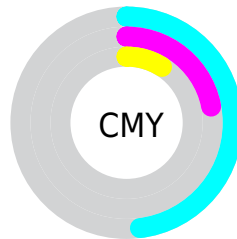
- Red (52%)
- Green (78%)
- Blue (91%)



- Red (52%)
- Yellow (68%)
- Blue (91%)



- Cyan (43%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (48%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6618, 51.6596, 83.9613 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 44.6618, 51.6596, 83.9613 by changing the saturation by 10% instead.

■ 44.6618, 51.6596,
83.9613

■ 44.6618, 51.6596,
83.9613

356.2089,
393.1211, 528.2394

■ 31.3913, 36.7338,
62.4383

■ 81.4529, 92.6290,
140.7823

■ 21.0503, 25.0015,
44.9489

■ 105.7041,
119.4415, 176.9173

■ 13.2734, 16.0781,
31.0745

■ 134.3463,
150.9849, 218.7601

■ 7.6954, 9.5795,
20.3966

167.7448,
187.6438, 266.7292

■ 3.9508, 5.1210,
12.4968

206.2649,
229.8024, 321.2432

■ 1.6743, 2.3185,
6.9563

250.2721,

■ 0.4401, 0.7835,

277.8452, 382.7205

3.3568

300.1316,
332.1567, 451.5797

■ 0.0000, 0.0000,
1.2796

■ 0.0000, 0.0000,
0.0449

■ 44.6618, 51.6596,
83.9613

■ 44.6618, 51.6596,
83.9613

■ 39.6616, 46.5083,
83.2315

■ 50.5646, 57.4127,
84.7616

■ 35.5038, 41.9225,
82.5655

■ 57.4154, 63.7895,
85.6313

■ 32.1284, 37.8702,
81.9612

■ 65.2620, 70.8177,
86.5744

■ 29.4644, 34.3129,
81.4150

■ 74.1476, 78.5215,
87.5930

■ 27.4263, 31.2043,
80.9224

■ 84.1127, 86.9235,
88.6895

■ 26.2322, 29.1592,
80.5906

■ 88.5799, 92.6347,
89.5565

■ 90.9737, 97.4223,
90.3544

■ 91.5657, 98.6063,
90.5517

Harmonies

Analogous

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



41.3713, 51.6596, 71.8151



44.6618, 51.6596, 83.9613



49.3433, 51.6596, 88.3847

Triad

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



44.6618, 51.6596, 83.9613



59.3166, 51.6596, 55.5582



44.2694, 51.6596, 35.9344

Complementary

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



44.6618, 51.6596, 83.9613



51.1497, 46.1229, 28.3987

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.



48.8593, 51.6596, 33.0327



44.6618, 51.6596, 83.9613



57.7378, 51.6596, 43.1115

Square

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



44.6618, 51.6596, 83.9613



58.0079, 51.6596, 70.4114



53.8248, 51.6596, 35.4227



41.1558, 51.6596, 44.1248

Rectangle

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



44.6618, 51.6596, 83.9613



52.6886, 51.6596, 85.8527



53.8248, 51.6596, 35.4227



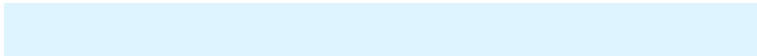
45.6798, 51.6596, 34.3771

Sweetspot

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



44.6634, 51.6616, 83.9625



80.4640, 87.3974, 107.2362



45.2634, 65.3940, 45.5262



16.7399, 18.2794, 22.8959



0.0000, 0.0000, 0.0000



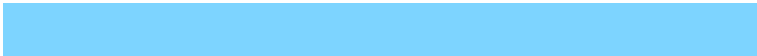
20.3446, 21.4041, 23.3091

Same Dimension

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



44.6634, 51.6616, 83.9625



49.9566, 58.4891, 103.2643



35.3306, 32.9960, 80.8516



14.3815, 15.4845, 18.3751



14.6832, 16.4286, 44.7803



1.1696, 1.3831, 3.3373

Inverse Universe

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



51.9765, 38.0560, 58.6410



60.4070, 40.6505, 66.7196



61.5221, 66.8678, 31.8561



14.7802, 14.5293, 17.0427



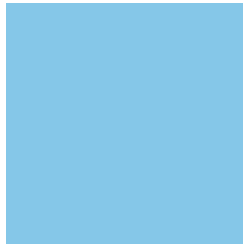
21.8049, 10.8562, 18.3996



1.6540, 0.8193, 1.5844

Previews

White Background



This preview shows how the XYZ color 44.6618, 51.6596, 83.9613 looks on a white background.

Color Contrast Check

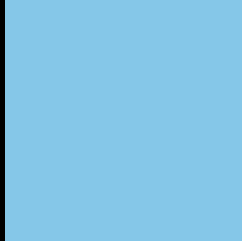
Large Text (above 18pt) WCAG AA × Fail

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 44.6618, 51.6596, 83.9613 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 44.6618, 51.6596, 83.9613

Background



This preview shows how black text looks on a background with the XYZ color 44.6618, 51.6596, 83.9613.



This preview shows how white text looks on a background with the XYZ color 44.6618, 51.6596,

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

44.6618, 51.6596, 83.9613

Protanopia

50.7292, 51.2933, 77.7479

Deuteranopia

52.5619, 51.4303, 85.7540



Tritanopia

42.5948, 51.5024, 74.0256

Trichromacy



Original Color

44.6618, 51.6596, 83.9613

Protanomaly

48.0246, 51.1378, 80.0125

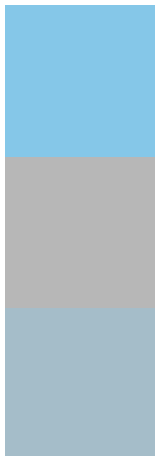
Deuteranomaly

49.2080, 51.3091, 85.1520

Tritanomaly

43.1795, 51.3821, 77.4540

Monochromacy



Original Color

44.6618, 51.6596, 83.9613

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.2573, 48.6116, 62.3087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6618, 51.6596, 83.9613 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(133, 199, 232)` looks like.

```
.text, #text, p{  
    color:rgb(133, 199, 232)  
}
```

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(133, 199, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 199, 232) }
```

Border

The CSS property to change the border of an element to XYZ 44.6618, 51.6596, 83.9613 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(133, 199, 232) }
```


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

```
.border{ border-color:rgb(133, 199, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 199, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 199, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 199, 232);  
box-shadow:4px 4px 4px 4px rgb(133, 199,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6618, 51.6596, 83.9613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 199, 232) }
```

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

```
.background{ background-color: rgb(133,  
199, 232) }
```

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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