

Converting Colors

XYZ(41.5954, 51.0640, 86.2613)

Have a look what the booklet for
XYZ(41.5954, 51.0640, 86.2613)
contains.

XYZ(41.5954, 51.0640, 86.2613)	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(41.5954, 51.0640,
86.2613)**

Conversions

Conversions Part 1

Format	Color
Hex	66CAEB
RGB	102, 202, 235
RGB Percent	40%, 79%, 92%
CMY	0.6000, 0.2078, 0.0784
CMYK	0.57, 0.14, 0.00, 0.08
HSL	195°, 77%, 66%
HSV	195°, 57%, 92%
XYZ	41.5954, 51.0640, 86.2613
YIQ	175.8620, -70.1930, -10.9370

Conversions

Conversions Part 2

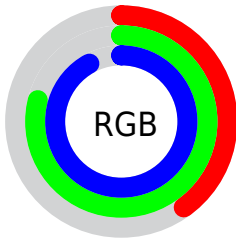
Format	Color
R _Y B	102, 159, 235
Decimal	6736619
CIE Lab	76.72, -20.03, -25.20
CIE LCh	77, 32.196, 231.518
Yxy	51.0640, 0.2325, 0.2854
Android (android.graphics.Color)	4284926699 (0xFF66CAEB)
YUV	175.8620, 29.1550, -64.7770
Hunter-Lab	71.4591, -21.1509, -21.5501

Details

The XYZ color **41.5954, 51.0640, 86.2613** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.3246, 35.9510, 17.1224**, and the grayscale version is **41.0757, 43.2149, 47.0610**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **19.2333, 24.6957, 46.4009** is the 20% darker color. If you saturate the color by 10%, you get **37.9579, 47.1970, 85.7076**, and if you desaturate by 10%, it is **46.0426, 55.4272, 86.8700**.

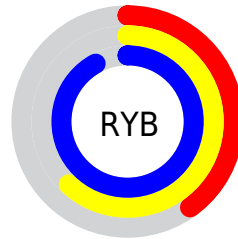
Distribution



Red (40%)

Green (79%)

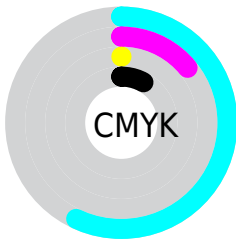
Blue (92%)



Red (40%)

Yellow (62%)

Blue (92%)

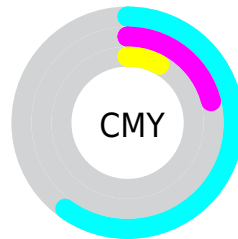


Cyan (57%)

Magenta (14%)

Yellow (0%)

Black (8%)



Cyan (60%)

Magenta (21%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5954, 51.0640, 86.2613 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 41.5954, 51.0640, 86.2613 by changing the saturation by 10% instead.

41.5954, 51.0640,
86.2613

41.5954, 51.0640,
86.2613

343.8232,
390.8124, 536.0455

28.9743, 36.2595,
64.3279

76.8559, 91.7494,
144.0238

19.2056, 24.6347,
46.4685

100.2261,
118.3991, 180.6901

11.9238, 15.8051,
32.2643

127.9100,
149.7660, 223.1044

6.7636, 9.3864,
21.2970

160.2730,
186.2345, 271.6853

3.3597, 4.9940,
13.1479

197.6805,
228.1890, 326.8513

1.3467, 2.2438,
7.3985

240.4978,

0.2178, 0.7437,

276.0139, 389.0210

3.6304

289.0902,
330.0935, 458.6128

■ 0.0000, 0.0000,
1.4248

■ 0.0000, 0.0000,
0.1610

■ 41.5954, 51.0640,
86.2613

■ 41.5954, 51.0640,
86.2613

■ 37.9579, 47.1970,
85.7076

■ 46.0426, 55.4272,
86.8700

■ 35.0590, 43.7857,
85.2019

■ 51.3530, 60.3120,
87.5330

■ 32.8228, 40.7910,
84.7417

■ 57.5812, 65.7482,
88.2540

■ 31.1518, 38.1620,
84.3223

■ 64.7758, 71.7619,
89.0356

■ 30.6573, 37.3216,
84.1862

■ 72.9816, 78.3768,
89.8799

■ 82.2408, 85.6154,
90.7891

■ 88.2319, 91.2508,
91.5611

■ 90.0029, 94.7929,
92.1514

■ 91.8299, 98.4469,
92.7604

Harmonies

Analogous

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



38.4198, 51.0640, 68.8547



41.5954, 51.0640, 86.2613



46.8251, 51.0640, 95.8845

Triad

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



41.5954, 51.0640, 86.2613



61.0855, 51.0640, 60.7037



44.3582, 51.0640, 29.8375

Complementary

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



41.5954, 51.0640, 86.2613



45.3246, 35.9510, 17.1224

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.



50.2856, 51.0640, 28.5528



41.5954, 51.0640, 86.2613



60.2855, 51.0640, 44.1658

Square

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



41.5954, 51.0640, 86.2613



58.3083, 51.0640, 79.2337



56.2060, 51.0640, 33.2307



39.9194, 51.0640, 37.2061

Rectangle

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



41.5954, 51.0640, 86.2613



50.9149, 51.0640, 95.4407



56.2060, 51.0640, 33.2307



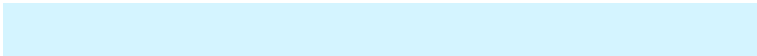
46.2301, 51.0640, 28.7515

Sweetspot

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



41.5970, 51.0659, 86.2625



77.5248, 86.0135, 107.1240



39.4252, 63.9371, 32.4674



16.2014, 18.0870, 22.8872



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.



41.5970, 51.0659, 86.2625



45.0326, 56.0713, 103.0571



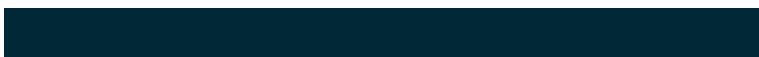
29.4887, 26.8491, 82.2264



15.1828, 16.4520, 19.2976



17.1679, 20.9828, 46.8882



1.4230, 1.7975, 3.7068

Inverse Universe

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



49.6744, 31.4308, 59.3277



56.1079, 31.9867, 65.4888



57.2069, 59.7157, 21.0832



15.5458, 15.2462, 18.1596



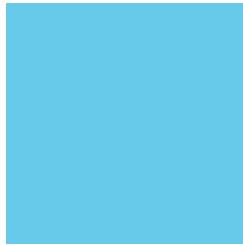
23.5209, 11.6110, 24.3420



1.8848, 0.9269, 2.1106

Previews

White Background



This preview shows how the XYZ color 41.5954, 51.0640, 86.2613 looks on a white background.

Color Contrast Check

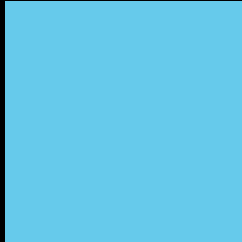
Large Text (above 18pt) WCAG AA × Fail

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 41.5954, 51.0640, 86.2613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

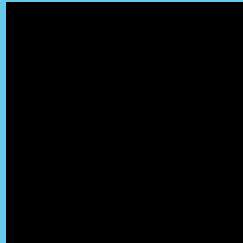
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.5954, 51.0640, 86.2613

Background



This preview shows how black text looks on a background with the XYZ color 41.5954, 51.0640, 86.2613.



This preview shows how white text looks on a background with the XYZ color 41.5954, 51.0640,

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

41.5954, 51.0640, 86.2613

Protanopia

50.0473, 50.6258, 77.6550

Deuteranopia

51.7513, 50.6332, 88.7070



Tritanopia

39.4679, 50.8930, 76.1498

Trichromacy



Original Color

41.5954, 51.0640, 86.2613

Protanomaly

45.8021, 49.9761, 80.6311

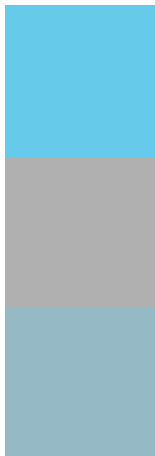
Deuteranomaly

47.0123, 50.1101, 88.0833

Tritanomaly

40.1204, 50.7995, 79.6422

Monochromacy



Original Color

41.5954, 51.0640, 86.2613

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.8214, 45.1187, 59.4333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5954, 51.0640, 86.2613 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(102, 202, 235)` looks like.

```
.text, #text, p{  
    color:rgb(102, 202, 235)  
}
```

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(102, 202, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 202, 235) }
```

Border

The CSS property to change the border of an element to XYZ 41.5954, 51.0640, 86.2613 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(102, 202, 235) }
```


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

```
.border{ border-color:rgb(102, 202, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 202, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 202, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 202, 235);  
box-shadow:4px 4px 4px 4px rgb(102, 202,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5954, 51.0640, 86.2613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 202, 235) }
```

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

```
.background{ background-color: rgb(102,  
202, 235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor