

Converting Colors

XYZ(40.0705, 46.2135,
100.4094)

Have a look what the booklet for
XYZ(40.0705, 46.2135, 100.4094)
contains.

XYZ(40.0875, 46.2564, 100.5815)	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(40.0875, 46.2564,
100.5815)**

Conversions

Conversions Part 1

Format	Color
Hex	53BFFE
RGB	83, 191, 254
RGB Percent	33%, 75%, 100%
CMY	0.6745, 0.2510, 0.0039
CMYK	0.67, 0.25, 0.00, 0.00
HSL	202°, 99%, 66%
HSV	202°, 67%, 100%
XYZ	40.0875, 46.2564, 100.5815
YIQ	165.8900, -84.5910, -3.3030

Conversions

Conversions Part 2

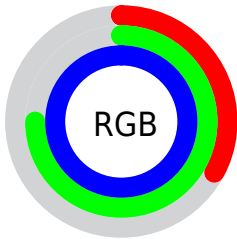
Format	Color
R _Y B	83, 149, 254
Decimal	5488638
CIE Lab	73.71, -11.72, -40.11
CIE LCh	74, 41.785, 253.710
Yxy	46.2564, 0.2145, 0.2475
Android (android.graphics.Color)	4283678718 (0xFF53BFFE)
YUV	165.8900, 43.4382, -72.6945
Hunter-Lab	68.0121, -13.8101, -40.0742

Details

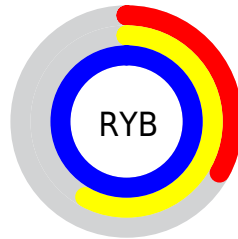
The XYZ color **40.0875, 46.2564, 100.5815** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **52.7155, 42.2563, 13.5636**, and the grayscale version is **36.0206, 37.8965, 41.2693**.

A 20% lighter version of the original color is **63.7052, 80.1311, 106.7170**, and **19.1665, 22.2082, 56.0997** is the 20% darker color. If you saturate the color by 10%, you get **36.2671, 41.3541, 99.8375**, and if you desaturate by 10%, it is **44.8619, 51.8456, 101.4096**.

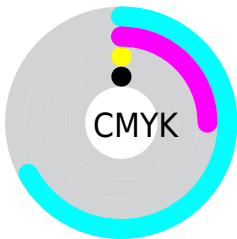
Distribution



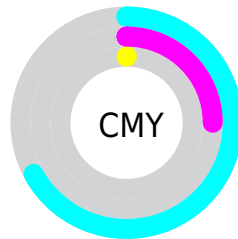
- Red (33%)
- Green (75%)
- Blue (100%)



- Red (33%)
- Yellow (58%)
- Blue (100%)



- Cyan (67%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0875, 46.2564, 100.5815 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 40.0875, 46.2564, 100.5815 by changing the saturation by 10% instead.

40.0875, 46.2564,
100.5815

40.0875, 46.2564,
100.5815

337.6203,
371.8385, 583.3180

27.7913, 32.4482,
76.1667

74.5802, 84.6026,
164.0149

18.3080, 21.7041,
56.0617

97.5075, 109.9094,
203.8706

11.2724, 13.6396,
39.8481

124.7091,
139.8178, 249.7103

6.3190, 7.8704,
27.1072

156.5504,
174.7123, 301.9525

3.0825, 4.0122,
17.4206

193.3969,
214.9772, 361.0159

1.1975, 1.6804,
10.3697

235.6138,

0.1044, 0.4109,

260.9969, 427.3189

5.5360

283.5665,
313.1559, 501.2801

■ 0.0000, 0.0000,
2.5009

■ 0.0000, 0.0000,
0.8406

■ 40.0875, 46.2564,
100.5815

■ 40.0875, 46.2564,
100.5815

■ 36.2671, 41.3541,
99.8375

■ 44.8619, 51.8456,
101.4096

■ 33.2988, 37.0803,
99.1691

■ 50.6682, 58.1632,
102.3230

■ 31.0592, 33.3685,
98.5707

■ 57.5812, 65.2517,
103.3269

■ 30.5331, 32.4429,
98.4197

■ 65.6668, 73.1485,
104.4249

■ 74.9856, 81.8881,
105.6207

■ 85.5937, 91.5026,
106.9174

94.8896, 99.9358,
108.0552

Harmonies

Analogous

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



34.4468, 46.2564, 84.1635



40.0875, 46.2564, 100.5815



47.4305, 46.2564, 101.3377

Triad

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



40.0875, 46.2564, 100.5815



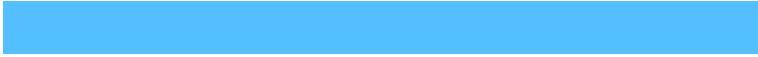
59.3160, 46.2564, 41.2974



34.8339, 46.2564, 26.2469

Complementary

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



40.0875, 46.2564, 100.5815



52.7155, 42.2563, 13.5636

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.



40.6732, 46.2564, 20.2075



40.0875, 46.2564, 100.5815



55.0932, 46.2564, 27.0975

Square

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



40.0875, 46.2564, 100.5815



59.1135, 46.2564, 62.7042



48.0855, 46.2564, 20.4673



31.6550, 46.2564, 39.7617

Rectangle

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



40.0875, 46.2564, 100.5815



52.3591, 46.2564, 92.5217



48.0855, 46.2564, 20.4673



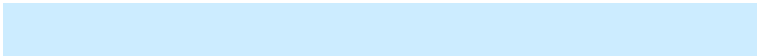
36.5203, 46.2564, 23.4696

Sweetspot

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



40.0891, 46.2580, 100.5826



73.0078, 80.1692, 106.2340



44.1759, 74.7900, 39.1824



15.0540, 16.6242, 22.6653



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.



40.0891, 46.2580, 100.5826



35.3904, 40.0596, 100.4747



26.5922, 19.2641, 96.0837



17.9593, 19.2902, 23.0268



16.2431, 17.3957, 51.9362



1.6860, 1.9027, 5.0917

Inverse Universe

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



53.3718, 31.0209, 52.4663



50.4420, 26.6615, 45.0825



71.0678, 78.9609, 19.6810



18.4921, 18.1802, 21.2086



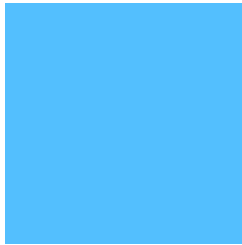
24.9869, 12.4841, 19.1135



2.4856, 1.2366, 2.1386

Previews

White Background



This preview shows how the XYZ color 40.0875, 46.2564, 100.5815 looks on a white background.

Color Contrast Check

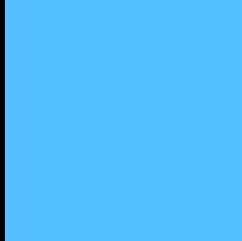
Large Text (above 18pt) WCAG AA × Fail

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 40.0875, 46.2564, 100.5815 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

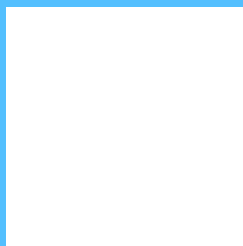
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0875, 46.2564, 100.5815

Background



This preview shows how black text looks on a background with the XYZ color 40.0875, 46.2564, 100.5815.

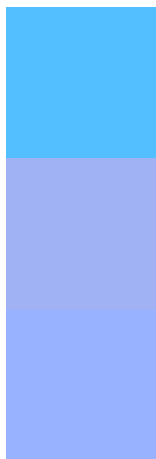


This preview shows how white text looks on a background with the XYZ color 40.0875, 46.2564,

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

40.0875, 46.2564, 100.5815

Protanopia

46.9475, 45.9495, 91.9827

Deuteranopia

46.9193, 45.7362, 100.9628



Tritanopia

34.1353, 46.1730, 70.7315

Trichromacy



Original Color

40.0875, 46.2564, 100.5815

Protanomaly

43.5496, 45.6308, 95.3193

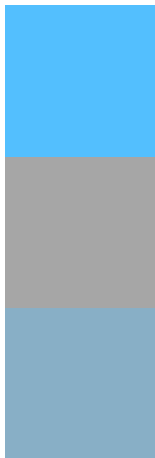
Deuteranomaly

43.7359, 45.5990, 101.1041

Tritanomaly

36.0419, 45.9163, 81.0919

Monochromacy



Original Color

40.0875, 46.2564, 100.5815

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.6764, 39.9714, 59.2610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0875, 46.2564, 100.5815 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(83, 191, 254)` looks like.

```
.text, #text, p{  
    color:rgb(83, 191, 254)  
}
```

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(83, 191, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 191, 254) }
```

Border

The CSS property to change the border of an element to XYZ 40.0875, 46.2564, 100.5815 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(83, 191, 254) }
```


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

```
.border{ border-color:rgb(83, 191, 254) }
```

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

Here you see how a box with a 4 pixel rgb(83, 191, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 191, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 191, 254);  
box-shadow:4px 4px 4px 4px rgb(83, 191,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0875, 46.2564, 100.5815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 191, 254) }
```

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

```
.background{ background-color: rgb(83, 191,  
254) }
```

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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