

Converting Colors

XYZ(40.5286, 45.2018,
101.1197)

Have a look what the booklet for
XYZ(40.5286, 45.2018, 101.1197)
contains.

XYZ(40.5396, 45.1935, 101.1943)	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(40.5396, 45.1935,
101.1943)**

Conversions

Conversions Part 1

Format	Color
Hex	5FBBFF
RGB	95, 187, 255
RGB Percent	37%, 73%, 100%
CMY	0.6274, 0.2667, 0.0000
CMYK	0.63, 0.27, 0.00, 0.00
HSL	206°, 100%, 69%
HSV	206°, 63%, 100%
XYZ	40.5396, 45.1935, 101.1943
YIQ	167.2440, -76.6600, 1.6440

Conversions

Conversions Part 2

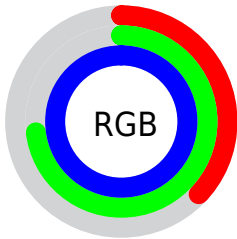
Format	Color
R_{YB}	95, 153, 255
Decimal	6274047
CIE _{Lab}	73.02, -7.33, -41.70
CIE _{LCh}	73, 42.335, 260.028
Yxy	45.1935, 0.2169, 0.2418
Android (android.graphics.Color)	4284464127 (0xFF5FBFFF)
YUV	167.2440, 43.2637, -63.3580
Hunter-Lab	67.2261, -10.0042, -42.1899

Details

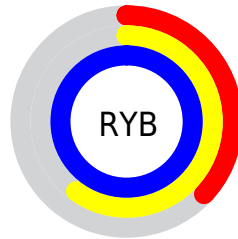
The XYZ color **40.5396, 45.1935, 101.1943** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **56.4042, 48.2830, 17.1752**, and the grayscale version is **36.6736, 38.5835, 42.0175**.

A 20% lighter version of the original color is **64.2011, 78.5903, 106.3934**, and **18.7181, 21.1274, 56.5175** is the 20% darker color. If you saturate the color by 10%, you get **36.0981, 39.6192, 100.3524**, and if you desaturate by 10%, it is **46.0240, 51.5646, 102.1350**.

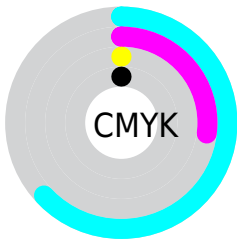
Distribution



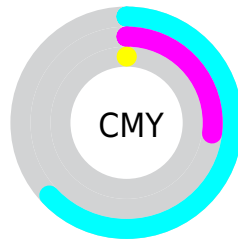
- Red (37%)
- Green (73%)
- Blue (100%)



- Red (37%)
- Yellow (60%)
- Blue (100%)



- Cyan (63%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (63%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5396, 45.1935, 101.1943 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 40.5396, 45.1935, 101.1943 by changing the saturation by 10% instead.

40.5396, 45.1935,
101.1943

40.5396, 45.1935,
101.1943

339.4882,
367.5567, 585.2943

28.1456, 31.6099,
76.6759

75.2636, 83.0107,
164.8636

18.5765, 21.0637,
56.4769

98.3244, 108.0131,
204.8516

11.4668, 13.1706,
40.1789

125.6714,
137.5905, 250.8332

6.4513, 7.5461,
27.3632

157.6700,
172.1273, 303.2270

3.1647, 3.8059,
17.6113

194.6857,
212.0079, 362.4514

1.2414, 1.5656,
10.5048

237.0837,

0.1387, 0.3342,

257.6168, 428.9251

5.6249

285.2294,
309.3382, 503.0665

■ 0.0000, 0.0000,
2.5533

■ 0.0000, 0.0000,
0.8682

■ 40.5396, 45.1935,
101.1943

■ 40.5396, 45.1935,
101.1943

■ 36.0981, 39.6192,
100.3524

■ 46.0240, 51.5646,
102.1350

■ 32.6033, 34.7840,
99.6034

■ 52.6271, 58.7748,
103.1787

■ 29.9456, 30.6266,
98.9410

■ 60.4218, 66.8676,
104.3299

■ 28.4252, 27.9704,
98.5084

■ 69.4734, 75.8819,
105.5928

■ 79.8421, 85.8537,
106.9710

■ 91.5838, 96.8168,
108.4683

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



34.4532, 45.1935, 87.4751



40.5396, 45.1935, 101.1943



48.0107, 45.1935, 98.2364

Triad

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



40.5396, 45.1935, 101.1943



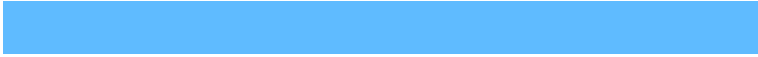
57.7460, 45.1935, 36.5385



32.9543, 45.1935, 27.4105

Complementary

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



40.5396, 45.1935, 101.1943



56.4042, 48.2830, 17.1752

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.



38.2674, 45.1935, 20.0088



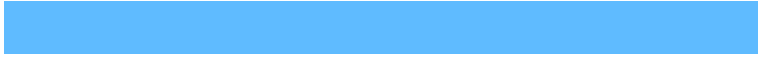
40.5396, 45.1935, 101.1943



52.7518, 45.1935, 24.1339

Square

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



40.5396, 45.1935, 101.1943



58.5352, 45.1935, 56.6018



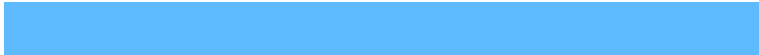
45.4646, 45.1935, 19.0119



30.4183, 45.1935, 42.4879

Rectangle

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



40.5396, 45.1935, 101.1943



52.7638, 45.1935, 87.4381



45.4646, 45.1935, 19.0119



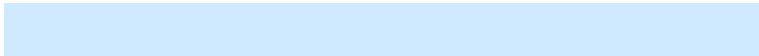
34.4441, 45.1935, 24.1496

Sweetspot

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



40.5410, 45.1950, 101.1945



73.1958, 79.4991, 106.0948



46.9726, 76.5503, 46.3296



15.0543, 16.4216, 22.6262



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.



40.5410, 45.1950, 101.1945



35.2296, 38.4646, 100.1754



28.1688, 20.4506, 97.0704



17.8703, 19.1123, 22.9971



15.0039, 14.9174, 51.5231



1.5692, 1.6691, 5.0527

Inverse Universe

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



54.3029, 33.0339, 50.5292



50.6718, 27.9436, 42.6230



74.9592, 85.3928, 23.3602



18.4472, 18.1622, 20.9721



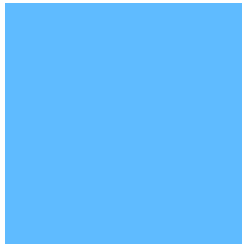
24.3615, 12.2339, 15.8199



2.4267, 1.2130, 1.8283

Previews

White Background



This preview shows how the XYZ color 40.5396, 45.1935, 101.1943 looks on a white background.

Color Contrast Check

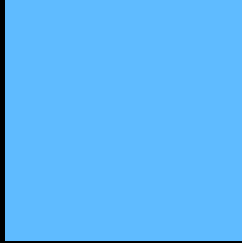
Large Text (above 18pt) WCAG AA × Fail

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 40.5396, 45.1935, 101.1943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

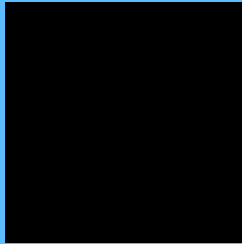
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

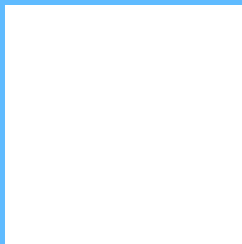
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5396, 45.1935, 101.1943

Background



This preview shows how black text looks on a background with the XYZ color 40.5396, 45.1935, 101.1943.



This preview shows how white text looks on a background with the XYZ color 40.5396, 45.1935,

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

40.5396, 45.1935, 101.1943

Protanopia

46.0645, 44.8726, 93.4222

Deuteranopia

45.9849, 44.9602, 100.8623



Tritanopia

34.0206, 45.1498, 68.5497

Trichromacy



Original Color

40.5396, 45.1935, 101.1943

Protanomaly

43.2517, 44.5504, 95.9420

Deuteranomaly

43.6271, 44.9349, 100.9816

Tritanomaly

36.1081, 44.9947, 79.4548

Monochromacy



Original Color

40.5396, 45.1935, 101.1943

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.4294, 40.0583, 59.8448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5396, 45.1935, 101.1943 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(95, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(95, 187, 255)  
}
```

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(95, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 187, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.5396, 45.1935, 101.1943 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(95, 187, 255) }
```


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

```
.border{ border-color:rgb(95, 187, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 187, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(95, 187,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5396, 45.1935, 101.1943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 187, 255) }
```

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

```
.background{ background-color: rgb(95, 187,  
255) }
```

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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