

Converting Colors

XYZ(40.6484, 44.1746, 91.4714)

Have a look what the booklet for
XYZ(40.6484, 44.1746, 91.4714)
contains.

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Color

**XYZ(40.5824, 44.1896,
91.1845)**

Conversions

Conversions Part 1

Format	Color
Hex	76B7F3
RGB	118, 183, 243
RGB Percent	46%, 72%, 95%
CMY	0.5372, 0.2823, 0.0471
CMYK	0.51, 0.25, 0.00, 0.05
HSL	209°, 84%, 71%
HSV	209°, 51%, 95%
XYZ	40.5824, 44.1896, 91.1845
YIQ	170.4050, -58.0000, 4.8800

Conversions

Conversions Part 2

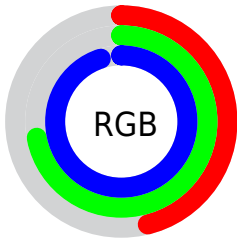
Format	Color
R _Y B	118, 161, 243
Decimal	7780339
CIE Lab	72.36, -4.34, -36.18
CIE LCh	72, 36.440, 263.165
Yxy	44.1896, 0.2306, 0.2511
Android (android.graphics.Color)	4285970419 (0xFF76B7F3)
YUV	170.4050, 35.7893, -45.9592
Hunter-Lab	66.4753, -7.3595, -34.7958

Details

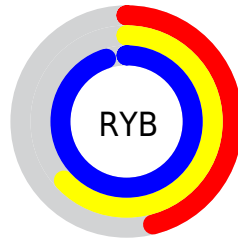
The XYZ color **40.5824, 44.1896, 91.1845** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.1542, 52.2056, 24.2585**, and the grayscale version is **38.2596, 40.2521, 43.8345**.

A 20% lighter version of the original color is **66.8210, 78.1831, 106.1768**, and **18.6396, 20.4230, 49.9733** is the 20% darker color. If you saturate the color by 10%, you get **35.3908, 38.0892, 90.2815**, and if you desaturate by 10%, it is **46.8263, 51.1302, 92.1959**.

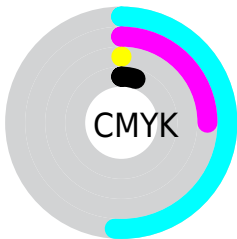
Distribution



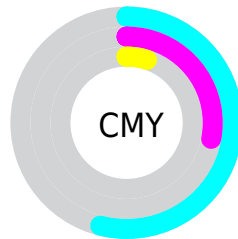
- Red (46%)
- Green (72%)
- Blue (95%)



- Red (46%)
- Yellow (63%)
- Blue (95%)



- Cyan (51%)
- Magenta (25%)
- Yellow (0%)
- Black (5%)



- Cyan (54%)
- Magenta (28%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5824, 44.1896, 91.1845 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 40.5824, 44.1896, 91.1845 by changing the saturation by 10% instead.

■ 40.5824, 44.1896,
91.1845

■ 40.5824, 44.1896,
91.1845

339.6647,
363.4814, 552.5457

■ 28.1792, 30.8196,
68.3842

■ 75.3283, 81.5030,
150.9325

■ 18.6019, 20.4615,
49.7418

■ 98.4016, 106.2151,
188.7173

■ 11.4853, 12.7310,
34.8385

■ 125.7624,
135.4768, 232.3341

■ 6.4639, 7.2435,
23.2559

157.7759,
169.6723, 282.2013

■ 3.1725, 3.6149,
14.5755

194.8075,
209.1862, 338.7375

■ 1.2456, 1.4606,
8.3787

237.2226,

■ 0.1419, 0.2607,

254.4027, 402.3613

4.2470

285.3866,
305.7063, 473.4912

■ 0.0000, 0.0000,
1.7618

■ 0.0000, 0.0000,
0.4026

■ 40.5824, 44.1896,
91.1845

■ 40.5824, 44.1896,
91.1845

■ 35.3908, 38.0892,
90.2815

■ 46.8263, 51.1302,
92.1959

■ 31.1754, 32.7801,
89.4789

■ 54.1822, 58.9460,
93.3168

■ 27.8562, 28.2144,
88.7726

■ 62.7104, 67.6758,
94.5524

■ 25.3359, 24.3344,
88.1565

■ 72.4650, 77.3538,
95.9063

■ 23.6847, 21.4848,
87.6935

■ 83.4970, 88.0126,
97.3822

■ 92.5393, 97.9741,
98.8284

■ 93.1778, 99.2511,
99.0412

Harmonies

Analogous

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



35.1798, 44.1896, 81.3785



40.5824, 44.1896, 91.1845



46.9244, 44.1896, 87.3520

Triad

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



40.5824, 44.1896, 91.1845



54.0887, 44.1896, 35.7702



33.0716, 44.1896, 30.2417

Complementary

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



40.5824, 44.1896, 91.1845



56.1542, 52.2056, 24.2585

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.



37.4345, 44.1896, 22.8402



40.5824, 44.1896, 91.1845



49.6512, 44.1896, 25.4330

Square

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



40.5824, 44.1896, 91.1845



55.1446, 44.1896, 52.3421



43.4521, 44.1896, 21.3300



31.1316, 44.1896, 44.1218

Rectangle

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



40.5824, 44.1896, 91.1845



50.8002, 44.1896, 77.9486



43.4521, 44.1896, 21.3300



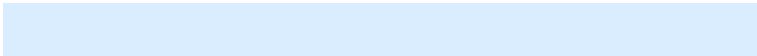
34.2813, 44.1896, 27.0692

Sweetspot

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



40.5839, 44.1912, 91.1856



76.7710, 82.2934, 106.4457



47.3928, 71.1017, 52.4755



15.9377, 17.1241, 22.7152



0.0000, 0.0000, 0.0000



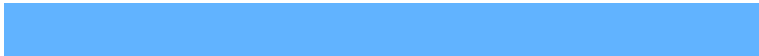
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5839, 44.1912, 91.1856



39.1115, 42.0406, 100.6610



30.6306, 24.2846, 87.8678



16.2941, 17.3524, 21.0331



13.1348, 12.0634, 48.1742



1.2573, 1.2661, 4.2683

Inverse Universe

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



51.9892, 35.4322, 48.9002



53.6534, 33.0501, 46.2582



71.0510, 81.9992, 29.2241



16.8590, 16.6265, 19.0041



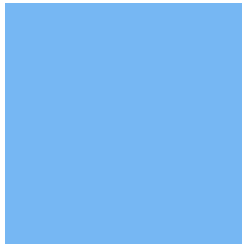
22.4344, 11.3172, 12.2617



2.0237, 1.0154, 1.3512

Previews

White Background



This preview shows how the XYZ color 40.5824, 44.1896, 91.1845 looks on a white background.

Color Contrast Check

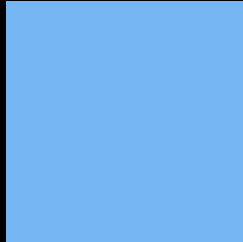
Large Text (above 18pt) WCAG AA × Fail

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 40.5824, 44.1896, 91.1845 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

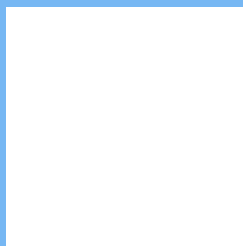
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5824, 44.1896, 91.1845

Background



This preview shows how black text looks on a background with the XYZ color 40.5824, 44.1896, 91.1845.



This preview shows how white text looks on a background with the XYZ color 40.5824, 44.1896,

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

40.5824, 44.1896, 91.1845

Protanopia

44.5744, 43.6992, 85.4423

Deuteranopia

45.1378, 44.1225, 92.5237



Tritanopia

35.2586, 44.2379, 64.4381

Trichromacy



Original Color

40.5824, 44.1896, 91.1845

Protanomaly

42.8037, 43.6056, 87.8221

Deuteranomaly

43.2340, 44.0352, 91.8089

Tritanomaly

36.9869, 43.9701, 73.5555

Monochromacy



Original Color

40.5824, 44.1896, 91.1845

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.1705, 41.2705, 58.7775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5824, 44.1896, 91.1845 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(118, 183, 243)` looks like.

```
.text, #text, p{  
    color:rgb(118, 183, 243)  
}
```

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(118, 183, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 183, 243) }
```

Border

The CSS property to change the border of an element to XYZ 40.5824, 44.1896, 91.1845 is called "border". The border property can be set on classes, ids or directly on the HTML element.

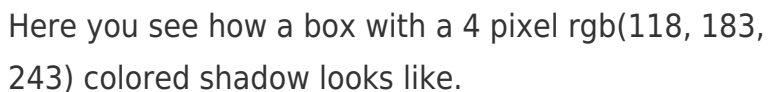
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 183, 243) }
```


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

```
.border{ border-color:rgb(118, 183, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 183, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 183, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 183, 243); box-shadow:4px 4px 4px 4px rgb(118, 183, 243) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5824, 44.1896, 91.1845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 183, 243) }
```

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

```
.background{ background-color: rgb(118,  
183, 243) }
```

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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