

Converting Colors

XYZ(40.5476, 41.7668,
100.5325)

Have a look what the booklet for
XYZ(40.5476, 41.7668, 100.5325)
contains.

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Color

**XYZ(40.6456, 41.9155,
100.5560)**

Conversions

Conversions Part 1

Format	Color
Hex	73B0FF
RGB	115, 176, 255
RGB Percent	45%, 69%, 100%
CMY	0.5490, 0.3098, 0.0000
CMYK	0.55, 0.31, 0.00, 0.00
HSL	214°, 100%, 73%
HSV	214°, 55%, 100%
XYZ	40.6456, 41.9155, 100.5560
YIQ	166.7670, -61.7150, 11.6370

Conversions

Conversions Part 2

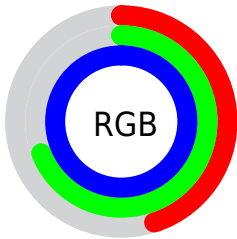
Format	Color
R_{YB}	115, 157, 255
Decimal	7581951
CIE Lab	70.81, 2.51, -45.09
CIE LCh	71, 45.158, 273.183
Yxy	41.9155, 0.2220, 0.2289
Android (android.graphics.Color)	4285772031 (0xFF73B0FF)
YUV	166.7670, 43.4989, -45.3997
Hunter-Lab	64.7422, -1.2353, -46.7683

Details

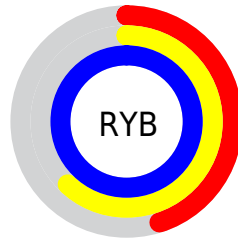
The XYZ color **40.6456, 41.9155, 100.5560** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **63.6278, 61.0837, 24.6586**, and the grayscale version is **36.4355, 38.3330, 41.7446**.

A 20% lighter version of the original color is **64.3051, 73.4858, 105.4027**, and **18.6673, 19.1455, 56.1377** is the 20% darker color. If you saturate the color by 10%, you get **35.0709, 35.0735, 99.5292**, and if you desaturate by 10%, it is **47.4494, 49.8365, 101.7263**.

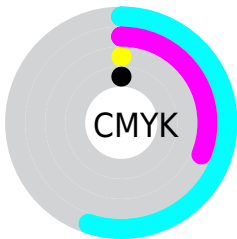
Distribution



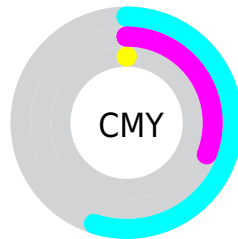
- Red (45%)
- Green (69%)
- Blue (100%)



- Red (45%)
- Yellow (62%)
- Blue (100%)



- Cyan (55%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6456, 41.9155, 100.5560 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 40.6456, 41.9155, 100.5560 by changing the saturation by 10% instead.

■ 40.6456, 41.9155,
100.5560

■ 40.6456, 41.9155,
100.5560

339.9252,
354.1325, 583.2357

■ 28.2287, 29.0351,
76.1455

■ 75.4237, 78.0717,
163.9796

■ 18.6395, 19.1074,
56.0444

■ 98.5157, 102.1164,
203.8297

■ 11.5125, 11.7479,
39.8343

■ 125.8967,
130.6512, 249.6635

■ 6.4825, 6.5723,
27.0966

157.9321,
164.0607, 301.8994

■ 3.1841, 3.1961,
17.4127

194.9873,
202.7292, 360.9561

■ 1.2518, 1.2349,
10.3641

237.4277,

■ 0.1467, 0.0900,

247.0410, 427.2520

5.5323

285.6185,
297.3807, 501.2057

■ 0.0000, 0.0000,
2.4987

■ 0.0000, 0.0000,
0.8395

■ 40.6456, 41.9155,
100.5560

■ 40.6456, 41.9155,
100.5560

■ 35.0709, 35.0735,
99.5292

■ 47.4494, 49.8365,
101.7263

■ 30.6333, 29.2471,
98.6385

■ 55.5565, 58.8860,
103.0457

■ 27.2329, 24.3713,
97.8765

■ 65.0398, 69.1146,
104.5202

■ 24.7469, 20.3673,
97.2347

■ 75.9653, 80.5686,
106.1552

■ 23.7458, 18.6116,
96.9486

■ 88.3944, 93.2914,
107.9559

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.



33.6800, 41.9155, 93.3220



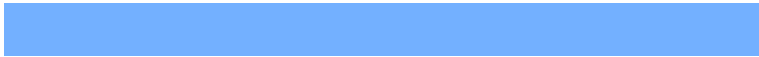
40.6456, 41.9155, 100.5560



48.2666, 41.9155, 89.6758

Triad

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



40.6456, 41.9155, 100.5560



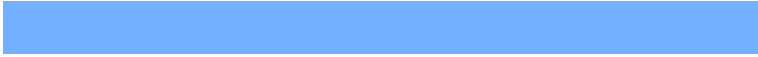
53.1714, 41.9155, 26.5580



28.3036, 41.9155, 29.4241

Complementary

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



40.6456, 41.9155, 100.5560



63.6278, 61.0837, 24.6586

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.



32.4551, 41.9155, 19.0614



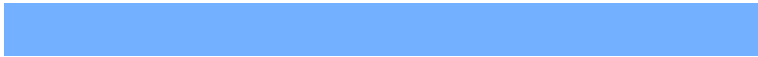
40.6456, 41.9155, 100.5560



46.7074, 41.9155, 17.8085

Square

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



40.6456, 41.9155, 100.5560



56.0460, 41.9155, 43.3836



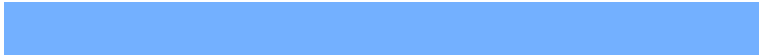
39.0440, 41.9155, 15.5710



27.1035, 41.9155, 47.9709

Rectangle

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



40.6456, 41.9155, 100.5560



52.5379, 41.9155, 75.1392



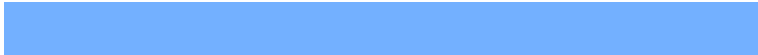
39.0440, 41.9155, 15.5710



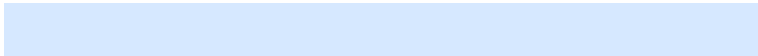
29.3721, 41.9155, 25.0900

Sweetspot

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



40.6470, 41.9169, 100.5562



74.6900, 79.2463, 105.9672



52.3460, 78.9712, 62.3551



15.4867, 16.4415, 22.6072



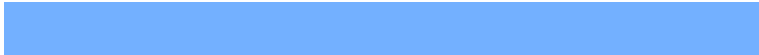
0.0000, 0.0000, 0.0000



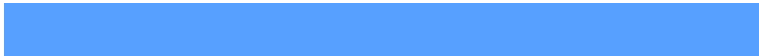
20.3446, 21.4041, 23.3091

Same Dimension

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



40.6470, 41.9169, 100.5562



34.5283, 34.3834, 99.4246



32.2086, 23.6212, 97.4695



17.6541, 18.6798, 22.9250



12.5499, 10.0094, 50.7051



1.3283, 1.1872, 4.9724

Inverse Universe

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



55.2083, 36.6578, 45.2414



50.9716, 30.5670, 36.4844



77.5665, 92.7145, 30.0293



18.3380, 18.1185, 20.3973



23.1228, 11.7384, 9.2972



2.3051, 1.1644, 1.1879

Previews

White Background



This preview shows how the XYZ color 40.6456, 41.9155, 100.5560 looks on a white background.

Color Contrast Check

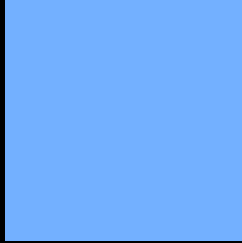
Large Text (above 18pt) WCAG AA × Fail

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 40.6456, 41.9155, 100.5560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

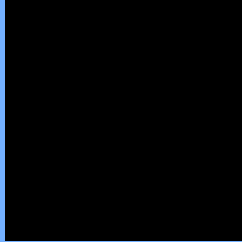
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

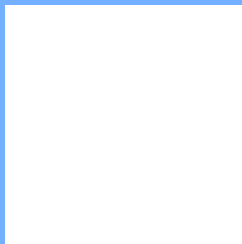
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6456, 41.9155, 100.5560

Background



This preview shows how black text looks on a background with the XYZ color 40.6456, 41.9155, 100.5560.



This preview shows how white text looks on a background with the XYZ color 40.6456, 41.9155,

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

40.6456, 41.9155, 100.5560

Protanopia

43.4841, 41.7626, 96.2116

Deuteranopia

42.7663, 41.5801, 100.3795



Tritanopia

32.8208, 41.7678, 61.5905

Trichromacy



Original Color

40.6456, 41.9155, 100.5560

Protanomaly

42.3149, 41.6842, 97.9111

Deuteranomaly

41.8957, 41.6963, 100.4478

Tritanomaly

35.2586, 41.5011, 74.5588

Monochromacy



Original Color

40.6456, 41.9155, 100.5560

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.8963, 39.1689, 59.6485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6456, 41.9155, 100.5560 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(115, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 176, 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(115, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.6456, 41.9155, 100.5560 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(115, 176, 255) }
```


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

```
.border{ border-color:rgb(115, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6456, 41.9155, 100.5560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 176, 255) }
```

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

```
.background{ background-color: rgb(115,  
176, 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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