

Converting Colors

XYZ(40.2496, 45.7018, 91.4963)

Have a look what the booklet for
XYZ(40.2496, 45.7018, 91.4963)
contains.

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Color

**XYZ(40.2243, 45.5633,
91.4686)**

Conversions

Conversions Part 1

Format	Color
Hex	6BBCF3
RGB	107, 188, 243
RGB Percent	42%, 74%, 95%
CMY	0.5804, 0.2627, 0.0471
CMYK	0.56, 0.23, 0.00, 0.05
HSL	204°, 85%, 69%
HSV	204°, 56%, 95%
XYZ	40.2243, 45.5633, 91.4686
YIQ	170.0510, -65.9310, -0.0670

Conversions

Conversions Part 2

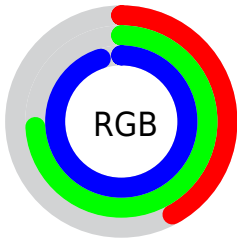
Format	Color
RYB	107, 158, 243
Decimal	7060723
CIELab	73.26, -9.35, -34.81
CIELCh	73, 36.048, 254.962
Yxy	45.5633, 0.2269, 0.2570
Android (android.graphics.Color)	4285250803 (0xFF6BBCF3)
YUV	170.0510, 35.9639, -55.2957
Hunter-Lab	67.5006, -11.7560, -33.0922

Details

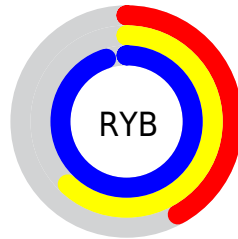
The XYZ color **40.2243, 45.5633, 91.4686** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.5380, 45.9591, 20.0137**, and the grayscale version is **38.0854, 40.0688, 43.6349**.

A 20% lighter version of the original color is **66.3370, 80.1369, 106.5794**, and **18.4329, 21.3279, 50.1589** is the 20% darker color. If you saturate the color by 10%, you get **35.6746, 40.2074, 90.6755**, and if you desaturate by 10%, it is **45.7408, 51.6315, 92.3500**.

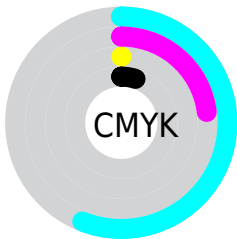
Distribution



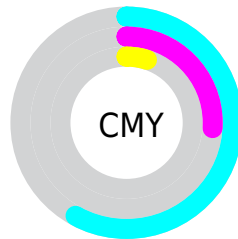
- Red (42%)
- Green (74%)
- Blue (95%)



- Red (42%)
- Yellow (62%)
- Blue (95%)



- Cyan (56%)
- Magenta (23%)
- Yellow (0%)
- Black (5%)



- Cyan (58%)
- Magenta (26%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2243, 45.5633, 91.4686 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 40.2243, 45.5633, 91.4686 by changing the saturation by 10% instead.

■ 40.2243, 45.5633,
91.4686

■ 40.2243, 45.5633,
91.4686

338.1863,
369.0502, 553.4896

■ 27.8985, 31.9013,
68.6188

■ 74.7871, 83.5651,
151.3300

■ 18.3892, 21.2862,
49.9315

■ 97.7548, 108.6737,
189.1786

■ 11.3311, 13.3333,
34.9882

■ 125.0005,
138.3666, 232.8639

■ 6.3590, 7.6585,
23.3703

156.8895,
173.0283, 282.8044

■ 3.1073, 3.8772,
14.6593

193.7873,
213.0431, 339.4187

■ 1.2107, 1.6051,
8.4367

236.0591,

■ 0.1148, 0.3610,

258.7954, 403.1253

4.2839

284.0703,
310.6696, 474.3427

■ 0.0000, 0.0000,
1.7823

■ 0.0000, 0.0000,
0.4163

■ 40.2243, 45.5633,
91.4686

■ 40.2243, 45.5633,
91.4686

■ 35.6746, 40.2074,
90.6755

■ 45.7408, 51.6315,
92.3500

■ 32.0134, 35.5168,
89.9631

■ 52.2847, 58.4448,
93.3202

■ 29.1569, 31.4447,
89.3276

■ 59.9166, 66.0393,
94.3838

■ 26.9995, 27.9323,
88.7634

■ 68.6911, 74.4469,
95.5442

■ 26.2616, 26.6387,
88.5526

■ 78.6586, 83.6975,
96.8044

■ 89.8665, 93.8190,
98.1673

■ 93.1778, 99.2511,
99.0413

Harmonies

Analogous

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



35.2518, 45.5633, 78.5473



40.2243, 45.5633, 91.4686



46.5258, 45.5633, 91.4868

Triad

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



40.2243, 45.5633, 91.4686



56.1631, 45.5633, 41.1438



35.2619, 45.5633, 28.8058

Complementary

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



40.2243, 45.5633, 91.4686



52.5380, 45.9591, 20.0137

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.



40.2393, 45.5633, 22.9776



40.2243, 45.5633, 91.4686



52.5033, 45.5633, 28.8288

Square

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



40.2243, 45.5633, 91.4686



56.1581, 45.5633, 59.2170



46.5424, 45.5633, 22.9848



32.5824, 45.5633, 41.1038

Rectangle

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



40.2243, 45.5633, 91.4686



50.6630, 45.5633, 84.0164



46.5424, 45.5633, 22.9848



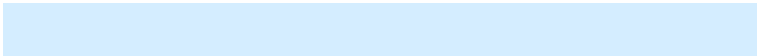
36.6991, 45.5633, 26.1739

Sweetspot

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



40.2259, 45.5650, 91.4697



75.5206, 82.0051, 106.4560



44.5839, 69.8156, 45.0315



15.7261, 17.1364, 22.7288



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.



40.2259, 45.5650, 91.4697



39.2586, 44.1897, 101.0681



29.0317, 23.1766, 87.7383



16.4019, 17.5680, 21.0691



14.5489, 14.8916, 48.6456



1.3794, 1.5101, 4.3090

Inverse Universe

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



51.2983, 33.2027, 51.2835



53.2748, 31.1651, 49.6092



67.7473, 76.3778, 25.0835



16.9134, 16.6482, 19.2907



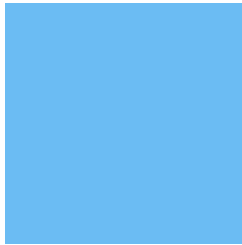
23.1481, 11.6027, 16.0203



2.0853, 1.0401, 1.6756

Previews

White Background



This preview shows how the XYZ color 40.2243, 45.5633, 91.4686 looks on a white background.

Color Contrast Check

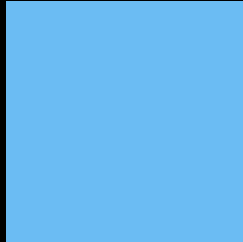
Large Text (above 18pt) WCAG AA × Fail

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 40.2243, 45.5633, 91.4686 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

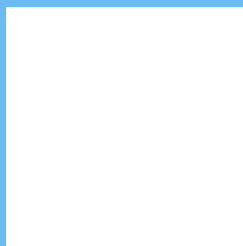
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2243, 45.5633, 91.4686

Background



This preview shows how black text looks on a background with the XYZ color 40.2243, 45.5633, 91.4686.



This preview shows how white text looks on a background with the XYZ color 40.2243, 45.5633,

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

40.2243, 45.5633, 91.4686

Protanopia

45.8218, 45.2290, 84.9123

Deuteranopia

46.4572, 45.3672, 93.4970



Tritanopia

35.5407, 45.6164, 67.9044

Trichromacy



Original Color

40.2243, 45.5633, 91.4686

Protanomaly

43.2842, 45.0604, 87.3051

Deuteranomaly

43.6528, 45.1293, 92.7963

Tritanomaly

37.1800, 45.6258, 75.9543

Monochromacy



Original Color

40.2243, 45.5633, 91.4686

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.8328, 41.6785, 58.8741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2243, 45.5633, 91.4686 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(107, 188, 243)` looks like.

```
.text, #text, p{  
    color:rgb(107, 188, 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(107, 188, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 188, 243) }
```

Border

The CSS property to change the border of an element to XYZ 40.2243, 45.5633, 91.4686 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(107, 188, 243) }
```


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

```
.border{ border-color:rgb(107, 188, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 188, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 188, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 188, 243);  
box-shadow:4px 4px 4px 4px rgb(107, 188,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2243, 45.5633, 91.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 188, 243) }
```

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

```
.background{ background-color: rgb(107,  
188, 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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