

Converting Colors

XYZ(40.5585, 45.0452, 79.9557)

Have a look what the booklet for
XYZ(40.5585, 45.0452, 79.9557)
contains.

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Color

**XYZ(40.5585, 45.0452,
79.9557)**

Conversions

Conversions Part 1

Format	Color
Hex	82B9E4
RGB	130, 185, 228
RGB Percent	51%, 73%, 89%
CMY	0.4902, 0.2745, 0.1059
CMYK	0.43, 0.19, 0.00, 0.11
HSL	206°, 64%, 70%
HSV	206°, 43%, 89%
XYZ	40.5585, 45.0452, 79.9557
YIQ	173.4570, -46.5830, 1.7130

Conversions

Conversions Part 2

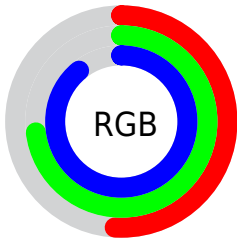
Format	Color
RYB	130, 165, 228
Decimal	8567268
CIELab	72.92, -6.85, -27.12
CIELCh	73, 27.976, 255.821
Yxy	45.0452, 0.2450, 0.2721
Android (android.graphics.Color)	4286757348 (0xFF82B9E4)
YUV	173.4570, 26.8897, -38.1118
Hunter-Lab	67.1157, -9.5837, -23.6518

Details

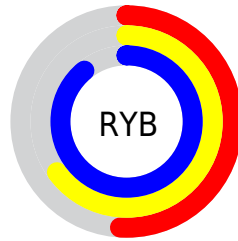
The XYZ color **40.5585, 45.0452, 79.9557** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.9689, 47.9941, 27.6981**, and the grayscale version is **39.8390, 41.9137, 45.6441**.

A 20% lighter version of the original color is **69.7550, 80.5697, 106.4828**, and **18.5217, 20.9369, 42.0948** is the 20% darker color. If you saturate the color by 10%, you get **35.4216, 39.3996, 79.1375**, and if you desaturate by 10%, it is **46.6205, 51.3882, 80.8613**.

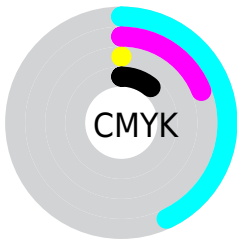
Distribution



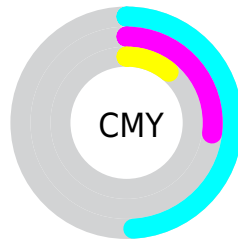
- Red (51%)
- Green (73%)
- Blue (89%)



- Red (51%)
- Yellow (65%)
- Blue (89%)



- Cyan (43%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5585, 45.0452, 79.9557 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 40.5585, 45.0452, 79.9557 by changing the saturation by 10% instead.

■ 40.5585, 45.0452,
79.9557

■ 40.5585, 45.0452,
79.9557

339.5662,
366.9566, 514.4864

■ 28.1604, 31.4930,
59.1559

■ 75.2922, 82.7882,
135.1143

■ 18.5877, 20.9746,
42.3178

■ 98.3585, 107.7479,
170.3102

■ 11.4750, 13.1054,
29.0228

■ 125.7116,
137.2788, 211.1419

■ 6.4569, 7.5012,
18.8524

157.7168,
171.7654, 258.0280

■ 3.1681, 3.7775,
11.3879

194.7395,
211.5921, 311.3869

■ 1.2433, 1.5499,
6.2109

237.1451,

■ 0.1401, 0.3234,

257.1433, 371.6372

2.9029

285.2988,
308.8033, 439.1975

■ 0.0000, 0.0000,
1.0453

■ 0.0000, 0.0000,
0.0000

■ 40.5585, 45.0452,
79.9557

■ 40.5585, 45.0452,
79.9557

■ 35.4216, 39.3996,
79.1375

■ 46.6205, 51.3882,
80.8613

■ 31.1504, 34.4135,
78.4003

■ 53.6530, 58.4536,
81.8544

■ 27.6855, 30.0526,
77.7411

■ 61.7036, 66.2709,
82.9390

■ 24.9565, 26.2759,
77.1560

■ 70.8154, 74.8666,
84.1179

■ 22.8791, 23.0349,
76.6399

■ 81.0287, 84.2654,
85.3938

■ 21.7178, 21.0297,
76.3141

■ 87.9044, 92.1828,
86.5596

■ 91.0037, 98.3815,
87.5927

Harmonies

Analogous

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



36.6073, 45.0452, 70.9324



40.5585, 45.0452, 79.9557



45.4214, 45.0452, 79.6801

Triad

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



40.5585, 45.0452, 79.9557



52.4824, 45.0452, 42.0844



36.4363, 45.0452, 32.6136

Complementary

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



40.5585, 45.0452, 79.9557



50.9689, 47.9941, 27.6981

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.



40.3086, 45.0452, 27.4838



40.5585, 45.0452, 79.9557



49.6857, 45.0452, 32.2007

Square

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



40.5585, 45.0452, 79.9557



52.5621, 45.0452, 55.9217



45.1518, 45.0452, 27.3486



34.3526, 45.0452, 42.7594

Rectangle

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



40.5585, 45.0452, 79.9557



48.5388, 45.0452, 74.1979



45.1518, 45.0452, 27.3486



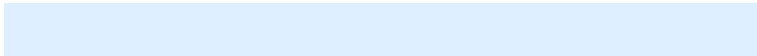
37.5582, 45.0452, 30.3379

Sweetspot

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



40.5600, 45.0469, 79.9568



79.4224, 85.3142, 106.8890



44.4419, 63.2302, 49.1290



16.4822, 17.7640, 22.8100



0.0000, 0.0000, 0.0000



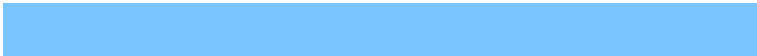
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5600, 45.0469, 79.9568



46.0580, 51.2372, 102.0700



32.0904, 28.1078, 77.1336



14.2505, 15.2224, 18.3315



12.6606, 12.3833, 44.1061



1.0277, 1.0994, 3.2900

Inverse Universe

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



48.7358, 35.9635, 50.2737



58.3061, 39.3004, 57.2274



62.0050, 70.0664, 31.3768



14.7140, 14.5028, 16.6945



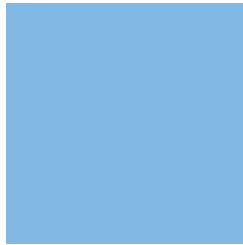
20.7840, 10.4478, 13.0234



1.5824, 0.7907, 1.2073

Previews

White Background



This preview shows how the XYZ color 40.5585, 45.0452, 79.9557 looks on a white background.

Color Contrast Check

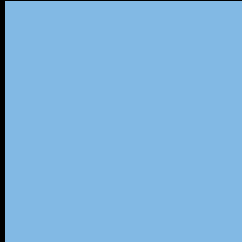
Large Text (above 18pt) WCAG AA × Fail

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 40.5585, 45.0452, 79.9557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

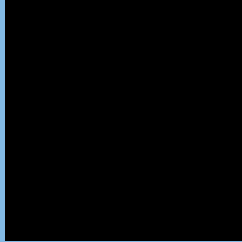
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5585, 45.0452, 79.9557

Background



This preview shows how black text looks on a background with the XYZ color 40.5585, 45.0452, 79.9557.

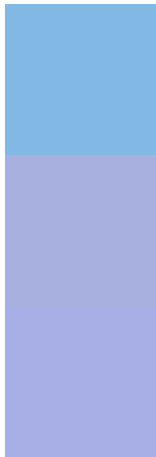


This preview shows how white text looks on a background with the XYZ color 40.5585, 45.0452,

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

40.5585, 45.0452, 79.9557

Protanopia

44.6465, 44.5401, 75.3512

Deuteranopia

45.7613, 44.6979, 81.0786



Tritanopia

37.2651, 44.9658, 63.8419

Trichromacy



Original Color

40.5585, 45.0452, 79.9557

Protanomaly

42.9011, 44.4920, 76.8477

Deuteranomaly

43.5894, 44.7674, 80.4723

Tritanomaly

38.5976, 45.2062, 69.6421

Monochromacy



Original Color

40.5585, 45.0452, 79.9557

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.2524, 42.4626, 56.5794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5585, 45.0452, 79.9557 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(130, 185, 228)` looks like.

```
.text, #text, p{  
    color:rgb(130, 185, 228)  
}
```

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(130, 185, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 185, 228) }
```

Border

The CSS property to change the border of an element to XYZ 40.5585, 45.0452, 79.9557 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(130, 185, 228) }
```


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

```
.border{ border-color:rgb(130, 185, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 185, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 185, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 185, 228);  
box-shadow:4px 4px 4px 4px rgb(130, 185,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5585, 45.0452, 79.9557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 185, 228) }
```

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

```
.background{ background-color: rgb(130,  
185, 228) }
```

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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