

Converting Colors

XYZ(40.6799, 40.7245, 77.6681)

Have a look what the booklet for
XYZ(40.6799, 40.7245, 77.6681)
contains.

XYZ(40.6799, 40.7245, 77.6681)	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(40.6799, 40.7245,
77.6681)**

Conversions

Conversions Part 1

Format	Color
Hex	96AAE2
RGB	150, 170, 226
RGB Percent	59%, 67%, 89%
CMY	0.4118, 0.3333, 0.1137
CMYK	0.34, 0.25, 0.00, 0.11
HSL	224°, 57%, 74%
HSV	224°, 34%, 89%
XYZ	40.6799, 40.7245, 77.6681
YIQ	170.4040, -29.8960, 13.1760

Conversions

Conversions Part 2

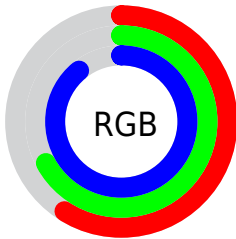
Format	Color
R_{YB}	150, 166, 226
Decimal	9874146
CIE Lab	69.98, 6.19, -30.45
CIE LCh	70, 31.077, 281.492
Yxy	40.7245, 0.2557, 0.2560
Android (android.graphics.Color)	4288064226 (0xFF96AAE2)
YUV	170.4040, 27.4088, -17.8943
Hunter-Lab	63.8158, 2.1088, -27.4889

Details

The XYZ color **40.6799, 40.7245, 77.6681** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.9413, 62.5143, 37.8155**, and the grayscale version is **38.2893, 40.2833, 43.8685**.

A 20% lighter version of the original color is **70.4288, 74.1922, 105.2163**, and **18.5580, 18.3459, 40.5932** is the 20% darker color. If you saturate the color by 10%, you get **33.9889, 32.9315, 76.5173**, and if you desaturate by 10%, it is **48.5710, 49.7249, 78.9902**.

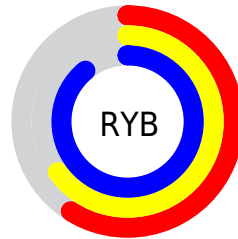
Distribution



Red (59%)

Green (67%)

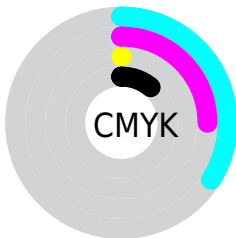
Blue (89%)



Red (59%)

Yellow (65%)

Blue (89%)

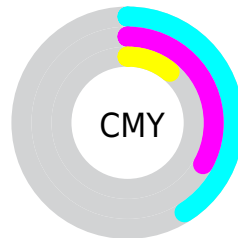


Cyan (34%)

Magenta (25%)

Yellow (0%)

Black (11%)



Cyan (41%)

Magenta (33%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6799, 40.7245, 77.6681 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 40.6799, 40.7245, 77.6681 by changing the saturation by 10% instead.

■ 40.6799, 40.7245,
77.6681

■ 40.6799, 40.7245,
77.6681

340.0665,
349.1678, 506.5369

■ 28.2556, 28.1039,
57.2865

■ 75.4755, 76.2655,
131.8638

■ 18.6599, 18.4040,
40.8244

■ 98.5776, 99.9547,
166.5149

■ 11.5273, 11.2404,
27.8633

125.9696,
128.1021, 206.7597

■ 6.4926, 6.2288,
17.9845

158.0169,
161.0923, 253.0167

■ 3.1903, 2.9847,
10.7695

195.0849,
199.3096, 305.7043

■ 1.2552, 1.1237,
5.7999

237.5389,

■ 0.1493, 0.0000,

243.1383, 365.2413

2.6569

285.7443,
292.9629, 432.0459

■ 0.0000, 0.0000,
0.9216

■ 0.0000, 0.0000,
0.0000

■ 40.6799, 40.7245,
77.6681

■ 40.6799, 40.7245,
77.6681

■ 33.9889, 32.9315,
76.5173

■ 48.5710, 49.7249,
78.9902

■ 28.4330, 26.2880,
75.5278

■ 57.7148, 59.9780,
80.4873

■ 23.9469, 20.7379,
74.6929

■ 68.1654, 71.5322,
82.1667

■ 20.4566, 16.2182,
74.0045

■ 79.9725, 84.4319,
84.0343

■ 17.8779, 12.6588,
73.4534

■ 90.1770, 97.1698,
85.9551

■ 16.1107, 9.9790,
73.0293

■ 90.7276, 98.2710,
86.1386

■ 15.3161, 8.6681,
72.8181

Harmonies

Analogous

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



35.6979, 40.7245, 76.3916



40.6799, 40.7245, 77.6681



45.5234, 40.7245, 68.6824

Triad

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



40.6799, 40.7245, 77.6681



46.4688, 40.7245, 28.3140



30.1886, 40.7245, 36.0656

Complementary

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



40.6799, 40.7245, 77.6681



58.9413, 62.5143, 37.8155

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.



32.6081, 40.7245, 26.5618



40.6799, 40.7245, 77.6681



41.8814, 40.7245, 22.8063

Square

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



40.6799, 40.7245, 77.6681



49.0550, 40.7245, 39.0151



36.7997, 40.7245, 22.2439



29.9280, 40.7245, 50.1330

Rectangle

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



40.6799, 40.7245, 77.6681



47.9100, 40.7245, 59.0282



36.7997, 40.7245, 22.2439



30.7659, 40.7245, 32.3194

Sweetspot

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



40.6813, 40.7261, 77.6691



80.5790, 84.0727, 106.5884



50.8834, 65.3210, 68.1503



16.8425, 17.5463, 22.7490



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.



40.6813, 40.7261, 77.6691



47.4764, 46.5713, 101.0946



40.7269, 35.6007, 76.6774



13.2439, 13.8269, 17.3585



8.8204, 5.1104, 41.5699



0.6836, 0.4986, 2.9055

Inverse Universe

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



49.5273, 40.8851, 43.3131



60.8534, 47.3313, 49.0246



58.7899, 70.0442, 39.2769



13.8546, 13.7595, 15.0044



18.3923, 9.4239, 3.4659



1.3113, 0.6678, 0.4322

Previews

White Background



This preview shows how the XYZ color 40.6799, 40.7245, 77.6681 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 40.6799, 40.7245, 77.6681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

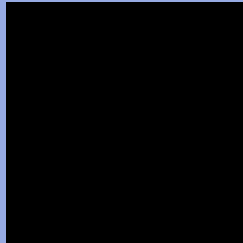
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6799, 40.7245, 77.6681

Background



This preview shows how black text looks on a background with the XYZ color 40.6799, 40.7245, 77.6681.



This preview shows how white text looks on a background with the XYZ color 40.6799, 40.7245,

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

40.6799, 40.7245, 77.6681

Protanopia

41.2961, 40.7807, 76.9291

Deuteranopia

41.6347, 40.6643, 77.6061



Tritanopia

36.2814, 40.9567, 55.2834

Trichromacy



Original Color

40.6799, 40.7245, 77.6681

Protanomaly

40.9154, 40.5845, 76.9113

Deuteranomaly

41.2419, 40.7369, 77.6408

Tritanomaly

37.7122, 40.6515, 62.9856

Monochromacy



Original Color

40.6799, 40.7245, 77.6681

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.7732, 40.2537, 54.4414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6799, 40.7245, 77.6681 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(150, 170, 226)` looks like.

```
.text, #text, p{  
    color:rgb(150, 170, 226)  
}
```

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(150, 170, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 170, 226) }
```

Border

The CSS property to change the border of an element to XYZ 40.6799, 40.7245, 77.6681 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(150, 170, 226) }
```


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

```
.border{ border-color:rgb(150, 170, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 170, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 170, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 170, 226);  
box-shadow:4px 4px 4px 4px rgb(150, 170,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6799, 40.7245, 77.6681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 170, 226) }
```

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

```
.background{ background-color: rgb(150,  
170, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor