

Converting Colors

XYZ(40.9798, 46.0545, 76.5561)

Have a look what the booklet for
XYZ(40.9798, 46.0545, 76.5561)
contains.

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Color

**XYZ(40.9211, 45.9367,
76.5219)**

Conversions

Conversions Part 1

Format	Color
Hex	86BBDF
RGB	134, 187, 223
RGB Percent	53%, 73%, 87%
CMY	0.4745, 0.2667, 0.1255
CMYK	0.40, 0.16, 0.00, 0.13
HSL	204°, 58%, 70%
HSV	204°, 40%, 87%
XYZ	40.9211, 45.9367, 76.5219
YIQ	175.2570, -43.1440, -0.0400

Conversions

Conversions Part 2

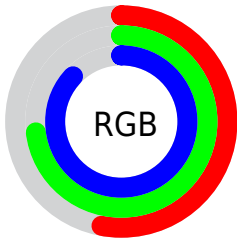
Format	Color
RYB	134, 167, 223
Decimal	8829919
CIELab	73.50, -8.25, -23.50
CIELCh	74, 24.903, 250.662
Yxy	45.9367, 0.2505, 0.2812
Android (android.graphics.Color)	4287019999 (0xFF86BBDF)
YUV	175.2570, 23.5373, -36.1824
Hunter-Lab	67.7766, -10.8372, -19.4966

Details

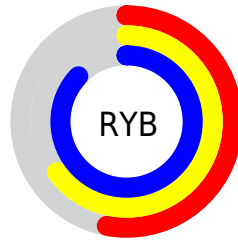
The XYZ color **40.9211, 45.9367, 76.5219** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **49.1101, 46.1595, 28.8769**, and the grayscale version is **40.7797, 42.9035, 46.7219**.

A 20% lighter version of the original color is **71.3358, 82.2683, 106.7273**, and **18.8174, 21.5396, 40.2116** is the 20% darker color. If you saturate the color by 10%, you get **35.8809, 40.5873, 75.7558**, and if you desaturate by 10%, it is **46.8338, 51.9164, 77.3653**.

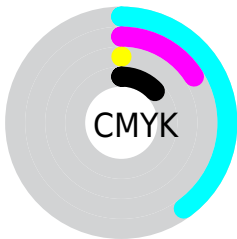
Distribution



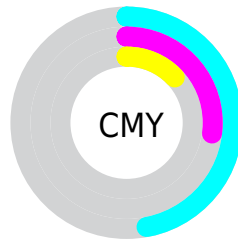
- Red (53%)
- Green (73%)
- Blue (87%)



- Red (53%)
- Yellow (65%)
- Blue (87%)



- Cyan (40%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9211, 45.9367, 76.5219 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 40.9211, 45.9367, 76.5219 by changing the saturation by 10% instead.

■ 40.9211, 45.9367,
76.5219

■ 40.9211, 45.9367,
76.5219

341.0590,
370.5541, 502.5267

■ 28.4448, 32.1959,
56.3513

■ 75.8396, 84.1243,
130.2312

■ 18.8034, 21.5112,
40.0788

■ 99.0125, 109.3398,
164.6071

■ 11.6315, 13.4981,
27.2857

■ 126.4817,
139.1490, 204.5551

■ 6.5637, 7.7725,
17.5536

158.6125,
173.9363, 250.4938

■ 3.2346, 3.9497,
10.4639

195.7702,
214.0860, 302.8418

■ 1.2790, 1.6455,
5.5980

238.3203,

■ 0.1674, 0.3880,

259.9827, 362.0176

2.5374

286.6281,
312.0106, 428.4397

■ 0.0000, 0.0000,
0.8599

■ 0.0000, 0.0000,
0.0000

■ 40.9211, 45.9367,
76.5219

■ 40.9211, 45.9367,
76.5219

■ 35.8809, 40.5873,
75.7558

■ 46.8338, 51.9164,
77.3653

■ 31.6592, 35.8339,
75.0608

■ 53.6601, 58.5477,
78.2855

■ 28.2023, 31.6467,
74.4348

■ 61.4436, 65.8572,
79.2861

■ 25.4473, 27.9898,
73.8742

■ 70.2237, 73.8680,
80.3696

■ 23.3201, 24.8214,
73.3747

■ 80.0375, 82.6024,
81.5383

■ 21.6936, 22.0722,
72.9298

■ 86.0512, 89.5713,
82.5664

■ 21.6798, 22.0485,
72.9260

■ 88.7896, 95.0480,
83.4792

■ 90.3194, 98.1078,
83.9892

Harmonies

Analogous

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



37.5566, 45.9367, 67.5130



40.9211, 45.9367, 76.5219



45.2446, 45.9367, 77.7875

Triad

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



40.9211, 45.9367, 76.5219



52.5089, 45.9367, 45.6694



38.3806, 45.9367, 33.8056

Complementary

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



40.9211, 45.9367, 76.5219



49.1101, 46.1595, 28.8769

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.



42.1157, 45.9367, 29.7949



40.9211, 45.9367, 76.5219



50.3944, 45.9367, 35.8398

Square

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



40.9211, 45.9367, 76.5219



52.1354, 45.9367, 58.4717



46.5215, 45.9367, 30.4711



36.1594, 45.9367, 42.4198

Rectangle

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



40.9211, 45.9367, 76.5219



48.1169, 45.9367, 73.8718



46.5215, 45.9367, 30.4711



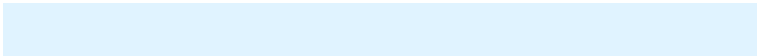
39.4899, 45.9367, 31.9455

Sweetspot

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



40.9226, 45.9385, 76.5230



80.8524, 87.0070, 107.1404



43.4382, 60.7318, 47.2664



17.0006, 18.3384, 22.8936



0.0000, 0.0000, 0.0000



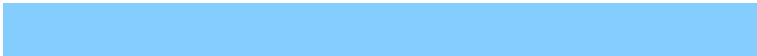
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9226, 45.9385, 76.5230



49.6089, 56.0722, 102.8161



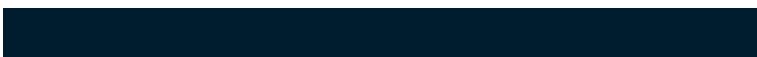
32.9595, 30.0124, 73.8686



13.6273, 14.5938, 17.4863



12.8609, 13.1913, 42.9167



0.9786, 1.0887, 3.0038

Inverse Universe

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



47.9274, 36.3274, 51.5014



60.6517, 42.3573, 63.0482



58.8073, 65.5539, 32.1093



14.0481, 13.8369, 16.0235



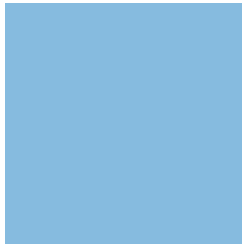
20.4318, 10.2397, 14.2054



1.4602, 0.7274, 1.2163

Previews

White Background



This preview shows how the XYZ color 40.9211, 45.9367, 76.5219 looks on a white background.

Color Contrast Check

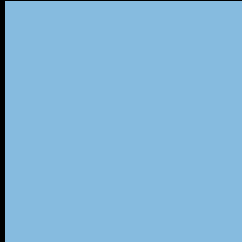
Large Text (above 18pt) WCAG AA × Fail

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 40.9211, 45.9367, 76.5219 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 40.9211, 45.9367, 76.5219

Background



This preview shows how black text looks on a background with the XYZ color 40.9211, 45.9367, 76.5219.



This preview shows how white text looks on a background with the XYZ color 40.9211, 45.9367,

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

40.9211, 45.9367, 76.5219

Protanopia

45.4580, 45.6212, 72.0555

Deuteranopia

46.5715, 45.4856, 77.5592



Tritanopia

38.4862, 45.9018, 64.5891

Trichromacy



Original Color

40.9211, 45.9367, 76.5219

Protanomaly

43.4106, 45.4313, 73.4990

Deuteranomaly

44.0739, 45.3953, 76.9602

Tritanomaly

39.4413, 45.9740, 69.0824

Monochromacy



Original Color

40.9211, 45.9367, 76.5219

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.1317, 43.5196, 56.1541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9211, 45.9367, 76.5219 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(134, 187, 223)` looks like.

```
.text, #text, p{  
    color:rgb(134, 187, 223)  
}
```

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(134, 187, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 187, 223) }
```

Border

The CSS property to change the border of an element to XYZ 40.9211, 45.9367, 76.5219 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(134, 187, 223) }
```


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

```
.border{ border-color:rgb(134, 187, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 187, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 187, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 187, 223);  
box-shadow:4px 4px 4px 4px rgb(134, 187,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9211, 45.9367, 76.5219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 187, 223) }
```

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

```
.background{ background-color: rgb(134,  
187, 223) }
```

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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