

Converting Colors

XYZ(45.2556, 47.2729, 76.8780)

Have a look what the booklet for
XYZ(45.2556, 47.2729, 76.8780)
contains.

XYZ(45.1577, 47.1858, 76.5397)	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(45.1577, 47.1858,
76.5397)**

Conversions

Conversions Part 1

Format	Color
Hex	A1B8DF
RGB	161, 184, 223
RGB Percent	63%, 72%, 87%
CMY	0.3686, 0.2784, 0.1255
CMYK	0.28, 0.17, 0.00, 0.13
HSL	218°, 49%, 75%
HSV	218°, 28%, 87%
XYZ	45.1577, 47.1858, 76.5397
YIQ	181.5690, -26.2270, 7.2530

Conversions

Conversions Part 2

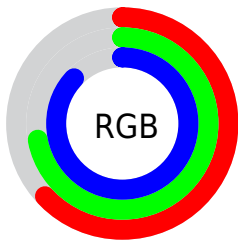
Format	Color
RYB	161, 178, 223
Decimal	10598623
CIELab	74.31, 0.89, -22.13
CIELCh	74, 22.144, 272.309
Yxy	47.1858, 0.2674, 0.2794
Android (android.graphics.Color)	4288788703 (0xFFA1B8DF)
YUV	181.5690, 20.4255, -18.0390
Hunter-Lab	68.6919, -2.8659, -17.9793

Details

The XYZ color **45.1577, 47.1858, 76.5397** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.5193, 59.5700, 42.1860**, and the grayscale version is **44.1332, 46.4316, 50.5640**.

A 20% lighter version of the original color is **77.8254, 84.2919, 106.7759**, and **21.3685, 22.2479, 40.2138** is the 20% darker color. If you saturate the color by 10%, you get **38.2877, 39.5320, 75.4253**, and if you desaturate by 10%, it is **53.1211, 55.8344, 77.7901**.

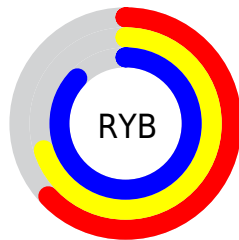
Distribution



Red (63%)

Green (72%)

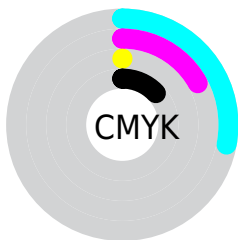
Blue (87%)



Red (63%)

Yellow (70%)

Blue (87%)

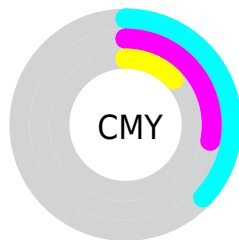


Cyan (28%)

Magenta (17%)

Yellow (0%)

Black (13%)



Cyan (37%)

Magenta (28%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1577, 47.1858, 76.5397 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 45.1577, 47.1858, 76.5397 by changing the saturation by 10% instead.

■ 45.1577, 47.1858,
76.5397

■ 45.1577, 47.1858,
76.5397

358.1848,
375.5557, 502.5891

■ 31.7835, 33.1826,
56.3659

■ 82.1926, 85.9909,
130.2566

■ 21.3509, 22.2663,
40.0904

■ 106.5840,
111.5615, 164.6367

■ 13.4947, 14.0527,
27.2947

135.3785,
141.7568, 204.5894

■ 7.8494, 8.1573,
17.5603

168.9414,
176.9610, 250.5330

■ 4.0497, 4.1958,
10.4686

207.6382,
217.5586, 302.8863

■ 1.7303, 1.7837,
5.6011

251.8341,

■ 0.4751, 0.4770,

263.9340, 362.0677

2.5392

301.8945,
316.4716, 428.4958

■ 0.0000, 0.0000,
0.8608

■ 0.0000, 0.0000,
0.0000

■ 45.1577, 47.1858,
76.5397

■ 45.1577, 47.1858,
76.5397

■ 38.2877, 39.5320,
75.4253

■ 53.1211, 55.8344,
77.7901

■ 32.4556, 32.8286,
74.4388

■ 62.2208, 65.5086,
79.1778

■ 27.6076, 27.0360,
73.5762

■ 72.5029, 76.2445,
80.7082

■ 23.6828, 22.1092,
72.8321

■ 84.0095, 88.0750,
82.3852

■ 20.6130, 17.9985,
72.2004

■ 90.0451, 97.5591,
83.8977

■ 18.3189, 14.6477,
71.6746

■ 90.3194, 98.1078,
83.9891

■ 16.6939, 11.9856,
71.2464

■ 16.3922, 11.4734,
71.1634

Harmonies

Analogous

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



41.3850, 47.1858, 73.3338



45.1577, 47.1858, 76.5397



49.0652, 47.1858, 72.2201

Triad

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



45.1577, 47.1858, 76.5397



51.6337, 47.1858, 40.5294



38.4070, 47.1858, 41.8491

Complementary

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



45.1577, 47.1858, 76.5397



57.5193, 59.5700, 42.1860

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.



40.8809, 47.1858, 34.9883



45.1577, 47.1858, 76.5397



48.5004, 47.1858, 34.3093

Square

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



45.1577, 47.1858, 76.5397



52.9394, 47.1858, 50.4994



44.5411, 47.1858, 32.4397



37.6274, 47.1858, 52.2653

Rectangle

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



45.1577, 47.1858, 76.5397



51.1821, 47.1858, 65.9788



44.5411, 47.1858, 32.4397



39.0606, 47.1858, 39.1066

Sweetspot

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



45.1592, 47.1877, 76.5408



83.9813, 88.4187, 107.2480



51.4226, 64.4877, 63.9131



17.5550, 18.4815, 22.8920



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.



45.1592, 47.1877, 76.5408



55.9487, 58.1347, 102.8800



42.2635, 39.1692, 75.1457



13.3665, 14.0721, 17.3994



9.7377, 6.9450, 41.8757



0.7587, 0.6489, 2.9305

Inverse Universe

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



51.8292, 44.6397, 51.2341



66.4435, 54.5967, 62.9564



61.0716, 69.9128, 43.9952



13.9164, 13.7842, 15.3302



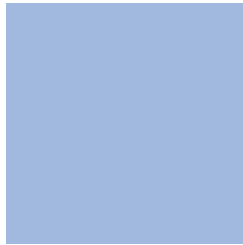
18.8554, 9.6091, 5.9041



1.3492, 0.6830, 0.6319

Previews

White Background



This preview shows how the XYZ color 45.1577, 47.1858, 76.5397 looks on a white background.

Color Contrast Check

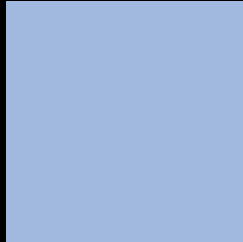
Large Text (above 18pt) WCAG AA × Fail

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 45.1577, 47.1858, 76.5397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

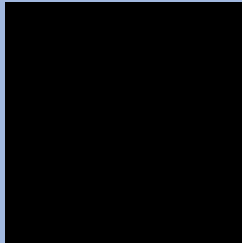
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.1577, 47.1858, 76.5397

Background



This preview shows how black text looks on a background with the XYZ color 45.1577, 47.1858, 76.5397.



This preview shows how white text looks on a background with the XYZ color 45.1577, 47.1858,

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

45.1577, 47.1858, 76.5397

Protanopia

47.0306, 47.2669, 75.0513

Deuteranopia

48.1651, 47.2057, 77.0941



Tritanopia

42.6673, 47.4463, 63.4092

Trichromacy



Original Color

45.1577, 47.1858, 76.5397

Protanomaly

46.2750, 47.1648, 75.7720

Deuteranomaly

46.9917, 47.2002, 77.1548

Tritanomaly

43.5037, 47.4629, 67.8411

Monochromacy



Original Color

45.1577, 47.1858, 76.5397

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.4671, 46.8969, 59.5317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1577, 47.1858, 76.5397 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(161, 184, 223)` looks like.

```
.text, #text, p{  
    color:rgb(161, 184, 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(161, 184, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 184, 223) }
```

Border

The CSS property to change the border of an element to XYZ 45.1577, 47.1858, 76.5397 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(161, 184, 223) }
```


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

```
.border{ border-color:rgb(161, 184, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 184, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 184, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 184, 223);  
box-shadow:4px 4px 4px 4px rgb(161, 184,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1577, 47.1858, 76.5397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 184, 223) }
```

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

```
.background{ background-color: rgb(161,  
184, 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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