

Converting Colors

XYZ(41.7799, 47.6799, 77.8069)

Have a look what the booklet for
XYZ(41.7799, 47.6799, 77.8069)
contains.

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Color

**XYZ(41.7582, 47.6300,
77.5136)**

Conversions

Conversions Part 1

Format	Color
Hex	85BFE0
RGB	133, 191, 224
RGB Percent	52%, 75%, 88%
CMY	0.4784, 0.2510, 0.1216
CMYK	0.41, 0.15, 0.00, 0.12
HSL	202°, 59%, 70%
HSV	202°, 41%, 88%
XYZ	41.7582, 47.6300, 77.5136
YIQ	177.4200, -45.1610, -2.0330

Conversions

Conversions Part 2

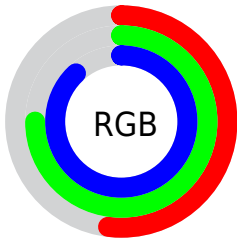
Format	Color
RYB	133, 168, 224
Decimal	8765408
CIELab	74.59, -10.37, -22.39
CIELCh	75, 24.676, 245.143
Yxy	47.6300, 0.2502, 0.2854
Android (android.graphics.Color)	4286955488 (0xFF85BFE0)
YUV	177.4200, 22.9639, -38.9563
Hunter-Lab	69.0145, -12.7714, -18.2814

Details

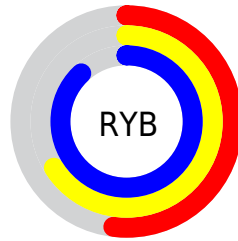
The XYZ color **41.7582, 47.6300, 77.5136** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.6112, 44.8140, 28.2796**, and the grayscale version is **41.9120, 44.0947, 48.0191**.

A 20% lighter version of the original color is **72.2970, 84.5603, 107.1191**, and **19.3918, 22.6612, 40.8881** is the 20% darker color. If you saturate the color by 10%, you get **36.8694, 42.5535, 76.7923**, and if you desaturate by 10%, it is **47.5024, 53.2954, 78.3052**.

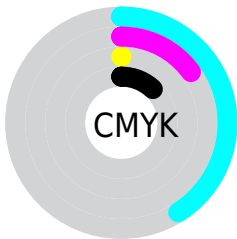
Distribution



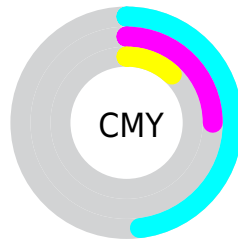
- Red (52%)
- Green (75%)
- Blue (88%)



- Red (52%)
- Yellow (66%)
- Blue (88%)



- Cyan (41%)
- Magenta (15%)
- Yellow (0%)
- Black (12%)



- Cyan (48%)
- Magenta (25%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7582, 47.6300, 77.5136 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 41.7582, 47.6300, 77.5136 by changing the saturation by 10% instead.

■ 41.7582, 47.6300,
77.5136

■ 41.7582, 47.6300,
77.5136

344.4883,
377.3237, 505.9975

■ 29.1023, 33.5340,
57.1604

■ 77.1010, 86.6533,
131.6438

■ 19.3029, 22.5358,
40.7238

■ 100.5186,
112.3493, 166.2580

■ 11.9946, 14.2511,
27.7853

■ 128.2541,
142.6807, 206.4629

■ 6.8122, 8.2955,
17.9262

160.6730,
178.0321, 252.6771

■ 3.3902, 4.2846,
10.7281

198.1404,
218.7876, 305.3191

■ 1.3633, 1.8340,
5.7725

241.0219,

■ 0.2299, 0.5082,

265.3318, 364.8075

2.6407

289.6828,
318.0490, 431.5607

■ 0.0000, 0.0000,
0.9134

■ 0.0000, 0.0000,
0.0000

■ 41.7582, 47.6300,
77.5136

■ 41.7582, 47.6300,
77.5136

■ 36.8694, 42.5535,
76.7923

■ 47.5024, 53.2954,
78.3052

■ 32.7814, 38.0323,
76.1350

■ 54.1431, 59.5701,
79.1664

■ 29.4402, 34.0372,
75.5400

■ 61.7239, 66.4798,
80.1005

■ 26.7824, 30.5331,
75.0037

■ 70.2843, 74.0471,
81.1100

■ 24.7326, 27.4785,
74.5222

■ 79.8614, 82.2932,
82.1969

■ 23.2432, 24.9588,
74.1143

■ 85.7784, 88.8092,
83.1427

■ 88.2200, 93.6925,
83.9566

■ 90.4547, 98.1619,
84.7015

Harmonies

Analogous

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



38.6092, 47.6300, 67.3354



41.7582, 47.6300, 77.5136



46.0447, 47.6300, 80.3959

Triad

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



41.7582, 47.6300, 77.5136



54.3682, 47.6300, 49.6885



40.5081, 47.6300, 34.2465

Complementary

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



41.7582, 47.6300, 77.5136



48.6112, 44.8140, 28.2796

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.



44.5058, 47.6300, 31.0302



41.7582, 47.6300, 77.5136



52.6579, 47.6300, 38.9599

Square

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



41.7582, 47.6300, 77.5136



53.5134, 47.6300, 62.8944



48.9752, 47.6300, 32.6025



37.9214, 47.6300, 42.1998

Rectangle

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



41.7582, 47.6300, 77.5136



49.0163, 47.6300, 77.4457



48.9752, 47.6300, 32.6025



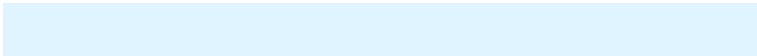
41.7213, 47.6300, 32.6407

Sweetspot

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



41.7597, 47.6318, 77.5147



81.2363, 87.7747, 107.2683



43.1076, 61.0100, 45.0312



17.0911, 18.5193, 22.9237



0.0000, 0.0000, 0.0000



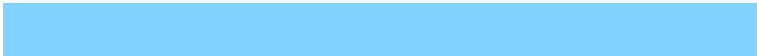
20.3446, 21.4041, 23.3091

Same Dimension

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



41.7597, 47.6318, 77.5147



50.2338, 57.9102, 103.1379



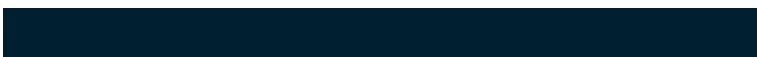
33.5081, 31.1285, 74.7642



13.6768, 14.6927, 17.5028



13.6419, 14.7533, 43.1770



1.0297, 1.1909, 3.0208

Inverse Universe

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



48.5332, 36.3853, 53.7573



60.8236, 41.8763, 65.6478



58.1082, 63.8080, 31.4452



14.0731, 13.8469, 16.1550



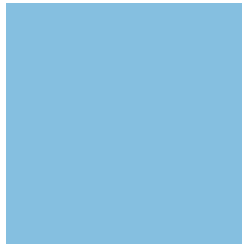
20.8260, 10.3974, 16.2813



1.4860, 0.7377, 1.3522

Previews

White Background



This preview shows how the XYZ color 41.7582, 47.6300, 77.5136 looks on a white background.

Color Contrast Check

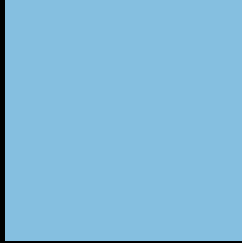
Large Text (above 18pt) WCAG AA × Fail

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 41.7582, 47.6300, 77.5136 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 41.7582, 47.6300, 77.5136

Background



This preview shows how black text looks on a background with the XYZ color 41.7582, 47.6300, 77.5136.



This preview shows how white text looks on a background with the XYZ color 41.7582, 47.6300,

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

41.7582, 47.6300, 77.5136

Protanopia

46.7275, 47.1715, 72.2878

Deuteranopia

48.3453, 47.2512, 79.2454



Tritanopia

39.8537, 47.8541, 67.4579

Trichromacy



Original Color

41.7582, 47.6300, 77.5136

Protanomaly

44.7644, 47.3388, 74.4881

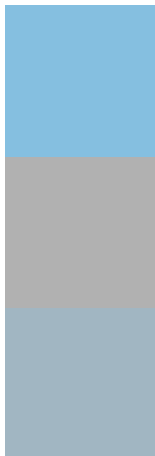
Deuteranomaly

45.5612, 47.0393, 78.6297

Tritanomaly

40.4135, 47.7408, 70.7032

Monochromacy



Original Color

41.7582, 47.6300, 77.5136

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.1635, 44.9280, 57.5414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7582, 47.6300, 77.5136 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(133, 191, 224)` looks like.

```
.text, #text, p{  
    color:rgb(133, 191, 224)  
}
```

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(133, 191, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 191, 224) }
```

Border

The CSS property to change the border of an element to XYZ 41.7582, 47.6300, 77.5136 is called "border". The border property can be set on classes, ids or directly on the HTML element.

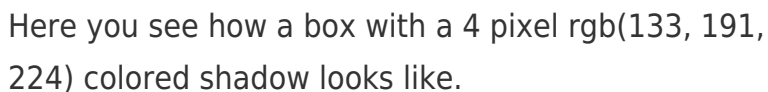
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 191, 224) }
```


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

```
.border{ border-color:rgb(133, 191, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 191, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 191, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 191, 224);  
box-shadow:4px 4px 4px 4px rgb(133, 191,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7582, 47.6300, 77.5136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 191, 224) }
```

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

```
.background{ background-color: rgb(133,  
191, 224) }
```

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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