

Converting Colors

XYZ(38.3517, 41.5245, 77.9452)

Have a look what the booklet for
XYZ(38.3517, 41.5245, 77.9452)
contains.

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Color

**XYZ(38.3517, 41.5245,
77.9452)**

Conversions

Conversions Part 1

Format	Color
Hex	80B1E2
RGB	128, 177, 226
RGB Percent	50%, 69%, 89%
CMY	0.4980, 0.3059, 0.1137
CMYK	0.43, 0.22, 0.00, 0.11
HSL	210°, 63%, 69%
HSV	210°, 43%, 89%
XYZ	38.3517, 41.5245, 77.9452
YIQ	167.9350, -44.9330, 4.8510

Conversions

Conversions Part 2

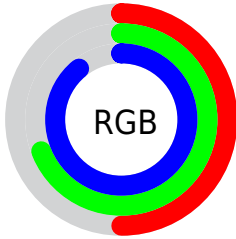
Format	Color
R _Y B	128, 161, 226
Decimal	8434146
CIE Lab	70.54, -3.55, -29.70
CIE LCh	71, 29.913, 263.185
Yxy	41.5245, 0.2430, 0.2631
Android (android.graphics.Color)	4286624226 (0xFF80B1E2)
YUV	167.9350, 28.6260, -35.0230
Hunter-Lab	64.4395, -6.5334, -26.6088

Details

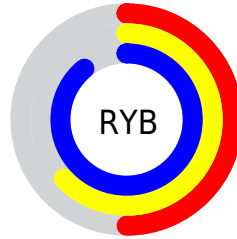
The XYZ color **38.3517, 41.5245, 77.9452** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.9835, 49.1727, 27.2277**, and the grayscale version is **37.0686, 38.9990, 42.4699**.

A 20% lighter version of the original color is **66.9561, 75.6882, 105.6881**, and **17.2618, 18.9472, 40.7776** is the 20% darker color. If you saturate the color by 10%, you get **33.1832, 35.6835, 77.0909**, and if you desaturate by 10%, it is **44.4648, 48.1286, 78.8985**.

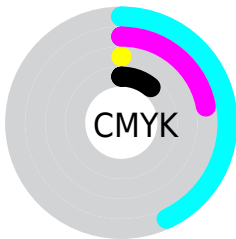
Distribution



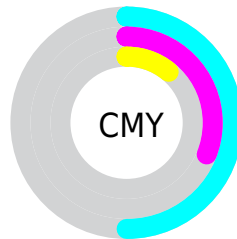
- Red (50%)
- Green (69%)
- Blue (89%)



- Red (50%)
- Yellow (63%)
- Blue (89%)



- Cyan (43%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)



- Cyan (50%)
- Magenta (31%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3517, 41.5245, 77.9452 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 38.3517, 41.5245, 77.9452 by changing the saturation by 10% instead.

■ 38.3517, 41.5245,
77.9452

■ 38.3517, 41.5245,
77.9452

330.3811,
352.5080, 507.5037

■ 26.4342, 28.7291,
57.5128

■ 71.9473, 77.4795,
132.2580

■ 17.2831, 18.8760,
41.0050

■ 94.3562, 101.4079,
166.9755

■ 10.5331, 11.5807,
28.0032

■ 120.9928,
129.8161, 207.2918

■ 5.8188, 6.4589,
18.0890

152.2227,
163.0885, 253.6254

■ 2.7748, 3.1261,
10.8438

188.4111,
201.6095, 306.3948

■ 1.0358, 1.1979,
5.8491

229.9234,

■ 0.0000, 0.0600,

245.7635, 366.0187

2.6862

277.1249,
295.9348, 432.9154

■ 0.0000, 0.0000,
0.9365

■ 0.0000, 0.0000,
0.0000

■ 38.3517, 41.5245,
77.9452

■ 38.3517, 41.5245,
77.9452

■ 33.1832, 35.6835,
77.0909

■ 44.4648, 48.1286,
78.8985

■ 28.8999, 30.5657,
76.3289

■ 51.5689, 55.5235,
79.9514

■ 25.4414, 26.1340,
75.6557

■ 59.7119, 63.7409,
81.1084

■ 22.7370, 22.3448,
75.0669

■ 68.9374, 72.8093,
82.3725

■ 20.7018, 19.1470,
74.5569

■ 79.2863, 82.7556,
83.7469

■ 19.6329, 17.3017,
74.2571

■ 87.5604, 91.9366,
85.0829

■ 90.7276, 98.2710,
86.1386

Harmonies

Analogous

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



34.0471, 41.5245, 70.6638



38.3517, 41.5245, 77.9452



43.3251, 41.5245, 75.0995

Triad

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



38.3517, 41.5245, 77.9452



48.8551, 41.5245, 35.3302



32.3440, 41.5245, 30.7973

Complementary

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



38.3517, 41.5245, 77.9452



50.9835, 49.1727, 27.2277

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.



35.8465, 41.5245, 24.5400



38.3517, 41.5245, 77.9452



45.4353, 41.5245, 26.7504

Square

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



38.3517, 41.5245, 77.9452



49.6662, 41.5245, 48.5175



40.6053, 41.5245, 23.2306



30.7707, 41.5245, 42.0623

Rectangle

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



38.3517, 41.5245, 77.9452



46.3288, 41.5245, 68.0805



40.6053, 41.5245, 23.2306



33.3200, 41.5245, 28.1426

Sweetspot

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



38.3531, 41.5261, 77.9462



78.8267, 84.1229, 106.6905



43.8736, 62.0925, 50.4206



16.3352, 17.4700, 22.7610



0.0000, 0.0000, 0.0000



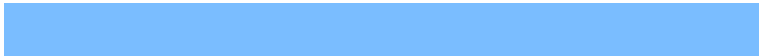
20.3446, 21.4041, 23.3091

Same Dimension

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



38.3531, 41.5261, 77.9462



44.2661, 47.6534, 101.4727



30.5648, 25.9496, 75.3501



13.5154, 14.3700, 17.4490



11.3193, 10.1081, 42.4028



0.8741, 0.8797, 2.9690

Inverse Universe

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



47.0202, 34.7828, 45.8321



57.4016, 38.9386, 52.4644



62.0155, 71.2368, 30.9050



13.9916, 13.8143, 15.7261



19.6536, 9.9285, 10.1078



1.4075, 0.7063, 0.9386

Previews

White Background



This preview shows how the XYZ color 38.3517, 41.5245, 77.9452 looks on a white background.

Color Contrast Check

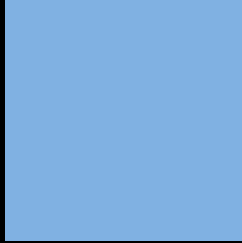
Large Text (above 18pt) WCAG AA × Fail

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 38.3517, 41.5245, 77.9452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

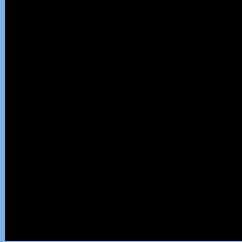
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.3517, 41.5245, 77.9452

Background



This preview shows how black text looks on a background with the XYZ color 38.3517, 41.5245, 77.9452.



This preview shows how white text looks on a background with the XYZ color 38.3517, 41.5245,

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

38.3517, 41.5245, 77.9452

Protanopia

41.7239, 41.3408, 74.1871

Deuteranopia

42.2921, 41.2465, 79.1311



Tritanopia

34.5517, 41.4802, 59.0087

Trichromacy



Original Color

38.3517, 41.5245, 77.9452

Protanomaly

40.4756, 41.5108, 75.6911

Deuteranomaly

40.6503, 41.2541, 78.4934

Tritanomaly

35.8748, 41.4075, 65.7762

Monochromacy



Original Color

38.3517, 41.5245, 77.9452

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.8851, 39.5722, 53.8383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3517, 41.5245, 77.9452 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(128, 177, 226)` looks like.

```
.text, #text, p{  
    color:rgb(128, 177, 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(128, 177, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 177, 226) }
```

Border

The CSS property to change the border of an element to XYZ 38.3517, 41.5245, 77.9452 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(128, 177, 226) }
```


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

```
.border{ border-color:rgb(128, 177, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 177, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 177, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 177, 226);  
box-shadow:4px 4px 4px 4px rgb(128, 177,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3517, 41.5245, 77.9452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 177, 226) }
```

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

```
.background{ background-color: rgb(128,  
177, 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](#).

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