

Converting Colors

XYZ(35.5110, 41.2272, 78.1018)

Have a look what the booklet for
XYZ(35.5110, 41.2272, 78.1018)
contains.

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Color

**XYZ(35.5069, 41.2481,
78.0418)**

Conversions

Conversions Part 1

Format	Color
Hex	64B5E2
RGB	100, 181, 226
RGB Percent	39%, 71%, 89%
CMY	0.6078, 0.2902, 0.1137
CMYK	0.56, 0.20, 0.00, 0.11
HSL	201°, 68%, 64%
HSV	201°, 56%, 89%
XYZ	35.5069, 41.2481, 78.0418
YIQ	161.9110, -62.7210, -3.1770

Conversions

Conversions Part 2

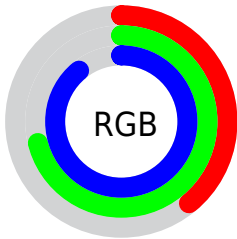
Format	Color
RYB	100, 149, 226
Decimal	6600162
CIELab	70.35, -12.09, -30.11
CIElCh	70, 32.445, 248.119
Yxy	41.2481, 0.2294, 0.2665
Android (android.graphics.Color)	4284790242 (0xFF64B5E2)
YUV	161.9110, 31.5959, -54.2959
Hunter-Lab	64.2247, -13.7087, -27.0882

Details

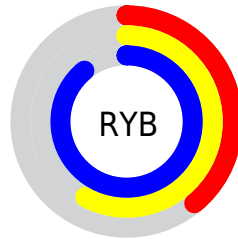
The XYZ color **35.5069, 41.2481, 78.0418** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.7910, 37.3413, 16.9577**, and the grayscale version is **34.1803, 35.9603, 39.1608**.

A 20% lighter version of the original color is **62.6323, 75.1593, 105.8139**, and **15.6349, 18.6699, 41.3077** is the 20% darker color. If you saturate the color by 10%, you get **31.7515, 36.9466, 77.4102**, and if you desaturate by 10%, it is **40.0534, 46.1002, 78.7395**.

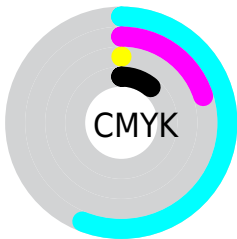
Distribution



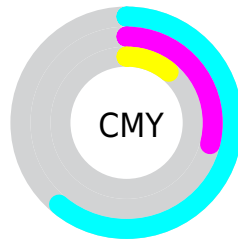
- Red (39%)
- Green (71%)
- Blue (89%)



- Red (39%)
- Yellow (58%)
- Blue (89%)



- Cyan (56%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (61%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5069, 41.2481, 78.0418 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 35.5069, 41.2481, 78.0418 by changing the saturation by 10% instead.

■ 35.5069, 41.2481,
78.0418

■ 35.5069, 41.2481,
78.0418

318.2691,
351.3565, 507.8405

■ 24.2219, 28.5130,
57.5917

■ 67.5992, 77.0604,
132.3955

■ 15.6240, 18.7127,
41.0679

■ 89.1372, 100.9063,
167.1360

■ 9.3476, 11.4629,
28.0521

■ 114.8236,
129.2247, 207.4772

■ 5.0275, 6.3791,
18.1255

■ 145.0238,
162.3999, 253.8375

■ 2.2983, 3.0769,
10.8698

180.1030,
200.8162, 306.6354

■ 0.7938, 1.1720,
5.8663

220.4268,

■ 0.0000, 0.0387,

244.8582, 366.2895

2.6965

266.3604,
294.9101, 433.2183

■ 0.0000, 0.0000,
0.9416

■ 0.0000, 0.0000,
0.0000

■ 35.5069, 41.2481,
78.0418

■ 35.5069, 41.2481,
78.0418

■ 31.7515, 36.9466,
77.4102

■ 40.0534, 46.1002,
78.7395

■ 28.7224, 33.1575,
76.8385

■ 45.4405, 51.5283,
79.5033

■ 26.3509, 29.8438,
76.3239

■ 51.7183, 57.5613,
80.3369

■ 24.5506, 26.9584,
75.8619

■ 58.9315, 64.2245,
81.2429

■ 23.8968, 25.8294,
75.6784

■ 67.1218, 71.5416,
82.2235

■ 76.3282, 79.5346,
83.2811

■ 85.3977, 87.6113,
84.3620

■ 87.7942, 92.4042,
85.1609

■ 90.2973, 97.4104,
85.9952

Harmonies

Analogous

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



31.6795, 41.2481, 65.5858



35.5069, 41.2481, 78.0418



40.6710, 41.2481, 80.7034

Triad

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



35.5069, 41.2481, 78.0418



50.2562, 41.2481, 40.8915



33.2105, 41.2481, 25.5457

Complementary

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



35.5069, 41.2481, 78.0418



43.7910, 37.3413, 16.9577

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.



37.7748, 41.2481, 21.6638



35.5069, 41.2481, 78.0418



47.8370, 41.2481, 29.1154

Square

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



35.5069, 41.2481, 78.0418



49.5096, 41.2481, 56.7680



43.1515, 41.2481, 22.8032



30.4398, 41.2481, 34.8339

Rectangle

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



35.5069, 41.2481, 78.0418



44.2385, 41.2481, 76.1061



43.1515, 41.2481, 22.8032



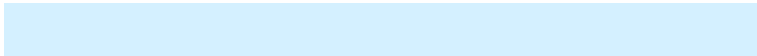
34.5687, 41.2481, 23.6736

Sweetspot

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



35.5083, 41.2496, 78.0428



76.1189, 83.2017, 106.6554



37.4949, 59.1198, 35.8625



15.8677, 17.4197, 22.7760



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.



35.5083, 41.2496, 78.0428



41.0074, 47.6873, 101.6510



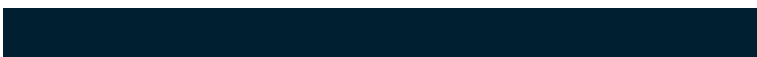
25.5694, 21.3719, 74.7298



13.6833, 14.7057, 17.5050



13.7490, 14.9675, 43.2127



1.0367, 1.2048, 3.0231

Inverse Universe

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



44.2629, 28.6208, 46.9090



54.1576, 31.5182, 54.2575



56.0025, 61.7642, 21.0282



14.0764, 13.8482, 16.1723



20.8801, 10.4190, 16.5660



1.4895, 0.7391, 1.3706

Previews

White Background



This preview shows how the XYZ color 35.5069, 41.2481, 78.0418 looks on a white background.

Color Contrast Check

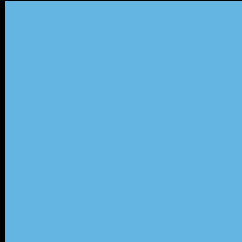
Large Text (above 18pt) WCAG AA × Fail

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 35.5069, 41.2481, 78.0418 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 35.5069, 41.2481, 78.0418

Background



This preview shows how black text looks on a background with the XYZ color 35.5069, 41.2481, 78.0418.



This preview shows how white text looks on a background with the XYZ color 35.5069, 41.2481,

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

35.5069, 41.2481, 78.0418

Protanopia

41.0104, 40.7566, 71.3510

Deuteranopia

42.0411, 41.1010, 79.8462



Tritanopia

32.1080, 41.0886, 61.4970

Trichromacy



Original Color

35.5069, 41.2481, 78.0418

Protanomaly

38.3431, 40.4577, 73.4984

Deuteranomaly

39.1005, 40.7228, 79.1983

Tritanomaly

33.3894, 41.3138, 67.1873

Monochromacy



Original Color

35.5069, 41.2481, 78.0418

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.5924, 37.3677, 51.3411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5069, 41.2481, 78.0418 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(100, 181, 226)` looks like.

```
.text, #text, p{  
    color:rgb(100, 181, 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(100, 181, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 181, 226) }
```

Border

The CSS property to change the border of an element to XYZ 35.5069, 41.2481, 78.0418 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(100, 181, 226) }
```


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

```
.border{ border-color:rgb(100, 181, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 181, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 181, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 181, 226);  
box-shadow:4px 4px 4px 4px rgb(100, 181,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5069, 41.2481, 78.0418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 181, 226) }
```

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

```
.background{ background-color: rgb(100,  
181, 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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