

Converting Colors

XYZ(36.8666, 41.8320, 89.7963)

Have a look what the booklet for
XYZ(36.8666, 41.8320, 89.7963)
contains.

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Color

**XYZ(36.8653, 41.6827,
90.1070)**

Conversions

Conversions Part 1

Format	Color
Hex	5BB5F2
RGB	91, 181, 242
RGB Percent	36%, 71%, 95%
CMY	0.6431, 0.2902, 0.0510
CMYK	0.62, 0.25, 0.00, 0.05
HSL	204°, 85%, 65%
HSV	204°, 62%, 95%
XYZ	36.8653, 41.6827, 90.1070
YIQ	161.0440, -73.2210, -0.1090

Conversions

Conversions Part 2

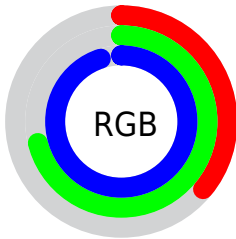
Format	Color
R _Y B	91, 147, 242
Decimal	6010354
CIE Lab	70.65, -8.86, -38.37
CIE LCh	71, 39.382, 256.999
Yxy	41.6827, 0.2186, 0.2471
Android (android.graphics.Color)	4284200434 (0xFF5BB5F2)
YUV	161.0440, 39.9113, -61.4286
Hunter-Lab	64.5621, -11.0594, -37.5554

Details

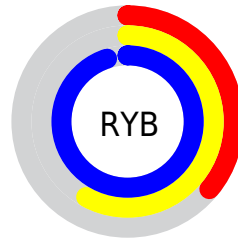
The XYZ color **36.8653, 41.6827, 90.1070** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **49.7364, 42.0917, 15.4026**, and the grayscale version is **33.7432, 35.5005, 38.6600**.

A 20% lighter version of the original color is **61.4711, 74.5607, 105.7595**, and **16.5821, 18.9835, 49.2446** is the 20% darker color. If you saturate the color by 10%, you get **32.9344, 36.8086, 89.3742**, and if you desaturate by 10%, it is **41.7075, 47.2351, 90.9243**.

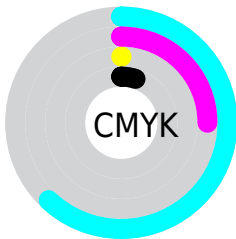
Distribution



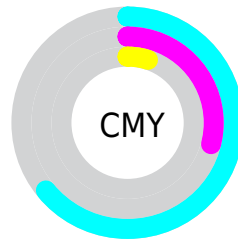
- Red (36%)
- Green (71%)
- Blue (95%)



- Red (36%)
- Yellow (58%)
- Blue (95%)



- Cyan (62%)
- Magenta (25%)
- Yellow (0%)
- Black (5%)



- Cyan (64%)
- Magenta (29%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8653, 41.6827, 90.1070 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 36.8653, 41.6827, 90.1070 by changing the saturation by 10% instead.

■ 36.8653, 41.6827,
90.1070

■ 36.8653, 41.6827,
90.1070

324.0926,
353.1659, 548.9579

■ 25.2764, 28.8529,
67.4952

■ 69.6807, 77.7192,
149.4238

■ 16.4129, 18.9696,
49.0230

■ 91.6380, 101.6947,
186.9659

■ 9.9095, 11.6483,
34.2720

■ 117.7821,
130.1542, 230.3218

■ 5.4008, 6.5047,
22.8236

■ 148.4784,
163.4821, 279.9102

■ 2.5215, 3.1543,
14.2592

184.0923,
202.0629, 336.1494

■ 0.9061, 1.2128,
8.1604

224.9890,

■ 0.0000, 0.0721,

246.2808, 399.4580

4.1085

271.5340,
296.5204, 470.2547

■ 0.0000, 0.0000,
1.6851

■ 0.0000, 0.0000,
0.3505

■ 36.8653, 41.6827,
90.1070

■ 36.8653, 41.6827,
90.1070

■ 32.9344, 36.8086,
89.3742

■ 41.7075, 47.2351,
90.9243

■ 29.8306, 32.5631,
88.7183

■ 47.5262, 53.5014,
91.8272

■ 27.4596, 28.8939,
88.1351

■ 54.3850, 60.5190,
92.8202

■ 26.0363, 26.4291,
87.7343

■ 62.3408, 68.3213,
93.9069

71.4459, 76.9388,
95.0903

81.7492, 86.4005,
96.3736

91.2783, 95.6932,
97.6650

93.0272, 99.1909,
98.2480

Harmonies

Analogous

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



31.6712, 41.6827, 77.0193



36.8653, 41.6827, 90.1070



43.3961, 41.6827, 89.0869

Triad

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



36.8653, 41.6827, 90.1070



52.8516, 41.6827, 35.6802



31.1415, 41.6827, 25.0446

Complementary

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



36.8653, 41.6827, 90.1070



49.7364, 42.0917, 15.4026

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.



36.0661, 41.6827, 18.9880



36.8653, 41.6827, 90.1070



48.7944, 41.6827, 23.8719

Square

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



36.8653, 41.6827, 90.1070



53.1264, 41.6827, 53.9476



42.5048, 41.6827, 18.6277



28.6189, 41.6827, 37.7807

Rectangle

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



36.8653, 41.6827, 90.1070



47.6487, 41.6827, 80.5069



42.5048, 41.6827, 18.6277



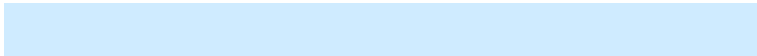
32.5448, 41.6827, 22.3325

Sweetspot

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



36.8668, 41.6842, 90.1080



73.4873, 80.0821, 106.1919



41.6866, 67.9771, 40.3749



15.1248, 16.5628, 22.6497



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.



36.8668, 41.6842, 90.1080



36.0164, 40.0382, 100.4376



25.5076, 18.9658, 86.3216



15.6807, 16.7955, 20.1370



14.1243, 14.4728, 47.1770



1.2723, 1.3986, 3.9571

Inverse Universe

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



48.7009, 29.6974, 46.8827



51.0689, 28.1025, 44.7143



65.9493, 74.5174, 20.8069



16.1683, 15.9170, 18.4423



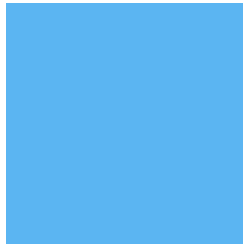
22.4549, 11.2544, 15.5780



1.9172, 0.9559, 1.5546

Previews

White Background



This preview shows how the XYZ color 36.8653, 41.6827, 90.1070 looks on a white background.

Color Contrast Check

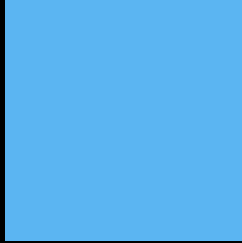
Large Text (above 18pt) WCAG AA × Fail

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 36.8653, 41.6827, 90.1070 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

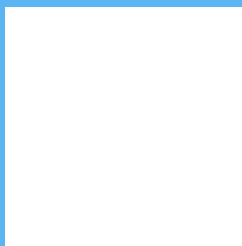
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8653, 41.6827, 90.1070

Background



This preview shows how black text looks on a background with the XYZ color 36.8653, 41.6827, 90.1070.



This preview shows how white text looks on a background with the XYZ color 36.8653, 41.6827,

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

36.8653, 41.6827, 90.1070

Protanopia

42.2196, 41.4049, 82.8575

Deuteranopia

42.3809, 41.3008, 91.3261



Tritanopia

31.4352, 41.6560, 62.8835

Trichromacy



Original Color

36.8653, 41.6827, 90.1070

Protanomaly

39.4823, 41.0741, 85.2040

Deuteranomaly

39.7712, 41.1031, 90.6316

Tritanomaly

33.0978, 41.3699, 71.8864

Monochromacy



Original Color

36.8653, 41.6827, 90.1070

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.4502, 36.9572, 54.0856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8653, 41.6827, 90.1070 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(91, 181, 242)` looks like.

```
.text, #text, p{  
    color:rgb(91, 181, 242)  
}
```

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(91, 181, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 181, 242) }
```

Border

The CSS property to change the border of an element to XYZ 36.8653, 41.6827, 90.1070 is called "border". The border property can be set on classes, ids or directly on the HTML element.

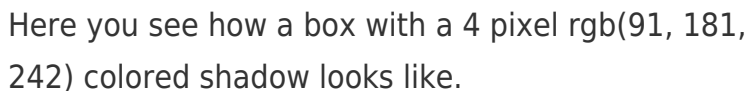
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 181, 242) }
```


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

```
.border{ border-color:rgb(91, 181, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 181, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 181, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 181, 242);  
box-shadow:4px 4px 4px 4px rgb(91, 181,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8653, 41.6827, 90.1070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 181, 242) }
```

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

```
.background{ background-color: rgb(91, 181,  
242) }
```

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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