

Converting Colors

XYZ(36.8292, 41.4700, 89.8957)

Have a look what the booklet for
XYZ(36.8292, 41.4700, 89.8957)
contains.

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Color

**XYZ(36.7619, 41.3286,
90.0441)**

Conversions

Conversions Part 1

Format	Color
Hex	5CB4F2
RGB	92, 180, 242
RGB Percent	36%, 71%, 95%
CMY	0.6392, 0.2941, 0.0510
CMYK	0.62, 0.26, 0.00, 0.05
HSL	205°, 85%, 65%
HSV	205°, 62%, 95%
XYZ	36.7619, 41.3286, 90.0441
YIQ	160.7560, -72.3500, 0.6260

Conversions

Conversions Part 2

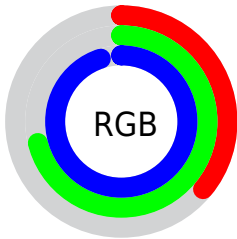
Format	Color
R _Y B	92, 147, 242
Decimal	6075634
CIE Lab	70.41, -8.14, -38.75
CIE LCh	70, 39.598, 258.138
Yxy	41.3286, 0.2186, 0.2458
Android (android.graphics.Color)	4284265714 (0xFF5CB4F2)
YUV	160.7560, 40.0533, -60.2990
Hunter-Lab	64.2873, -10.4298, -38.0435

Details

The XYZ color **36.7619, 41.3286, 90.0441** 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 **50.1072, 42.7638, 15.7404**, and the grayscale version is **33.6089, 35.3591, 38.5061**.

A 20% lighter version of the original color is **61.3719, 74.0809, 105.6722**, and **16.4523, 18.7239, 49.2013** is the 20% darker color. If you saturate the color by 10%, you get **32.7723, 36.3821, 89.3004**, and if you desaturate by 10%, it is **41.6720, 46.9674, 90.8745**.

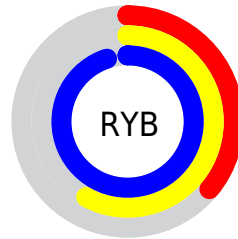
Distribution



Red (36%)

Green (71%)

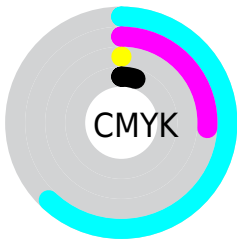
Blue (95%)



Red (36%)

Yellow (58%)

Blue (95%)

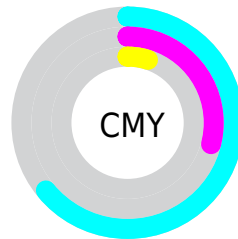


Cyan (62%)

Magenta (26%)

Yellow (0%)

Black (5%)



Cyan (64%)

Magenta (29%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7619, 41.3286, 90.0441 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 36.7619, 41.3286, 90.0441 by changing the saturation by 10% instead.

■ 36.7619, 41.3286,
90.0441

■ 36.7619, 41.3286,
90.0441

323.6520,
351.6921, 548.7481

■ 25.1960, 28.5759,
67.4433

■ 69.5226, 77.1825,
149.3357

■ 16.3527, 18.7603,
48.9811

■ 91.4482, 101.0525,
186.8636

■ 9.8665, 11.4972,
34.2390

■ 117.5577,
129.3970, 230.2043

■ 5.3721, 6.4023,
22.7984

■ 148.2166,
162.6005, 279.7762

■ 2.5042, 3.0912,
14.2408

183.7901,
201.0474, 335.9981

■ 0.8974, 1.1795,
8.1477

224.6435,

■ 0.0000, 0.0449,

245.1220, 399.2883

4.1005

271.1424,
295.2088, 470.0655

■ 0.0000, 0.0000,
1.6806

■ 0.0000, 0.0000,
0.3474

■ 36.7619, 41.3286,
90.0441

■ 36.7619, 41.3286,
90.0441

■ 32.7723, 36.3821,
89.3004

■ 41.6720, 46.9674,
90.8745

■ 29.6193, 32.0780,
88.6358

■ 47.5675, 53.3343,
91.7927

■ 27.2091, 28.3640,
88.0460

■ 54.5123, 60.4670,
92.8035

■ 25.6959, 25.7483,
87.6209

■ 62.5629, 68.3991,
93.9102

■ 71.7719, 77.1616,
95.1161

■ 82.1881, 86.7835,
96.4244

■ 91.4600, 96.0565,
97.7256

■ 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.



31.4994, 41.3286, 77.3635



36.7619, 41.3286, 90.0441



43.3126, 41.3286, 88.4393

Triad

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



36.7619, 41.3286, 90.0441



52.4321, 41.3286, 34.7281



30.6696, 41.3286, 25.0498

Complementary

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



36.7619, 41.3286, 90.0441



50.1072, 42.7638, 15.7404

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.



35.5088, 41.3286, 18.7877



36.7619, 41.3286, 90.0441



48.2504, 41.3286, 23.2168

Square

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



36.7619, 41.3286, 90.0441



52.8636, 41.3286, 52.7864



41.9139, 41.3286, 18.2255



28.2513, 41.3286, 38.0193

Rectangle

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



36.7619, 41.3286, 90.0441



47.5384, 41.3286, 79.5349



41.9139, 41.3286, 18.2255



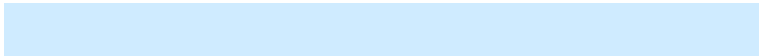
32.0409, 41.3286, 22.2657

Sweetspot

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



36.7634, 41.3301, 90.0451



73.3573, 79.8221, 106.1486



41.8348, 68.0478, 40.6377



15.0934, 16.4998, 22.6392



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.



36.7634, 41.3301, 90.0451



36.0395, 39.8337, 100.3969



25.7001, 19.2036, 86.3574



15.6679, 16.7699, 20.1327



13.9419, 14.1080, 47.1162



1.2577, 1.3693, 3.9522

Inverse Universe

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



48.6846, 29.8285, 46.3728



51.1418, 28.3660, 44.3756



66.0200, 74.5894, 21.0447



16.1618, 15.9144, 18.4083



22.3628, 11.2176, 15.0931



1.9098, 0.9529, 1.5156

Previews

White Background



This preview shows how the XYZ color 36.7619, 41.3286, 90.0441 looks on a white background.

Color Contrast Check

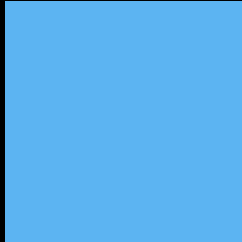
Large Text (above 18pt) WCAG AA × Fail

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 36.7619, 41.3286, 90.0441 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

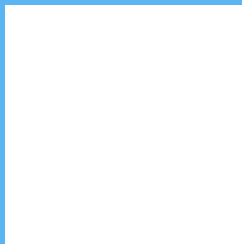
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7619, 41.3286, 90.0441

Background



This preview shows how black text looks on a background with the XYZ color 36.7619, 41.3286, 90.0441.



This preview shows how white text looks on a background with the XYZ color 36.7619, 41.3286,

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

36.7619, 41.3286, 90.0441

Protanopia

41.8448, 40.9345, 82.7865

Deuteranopia

42.0316, 41.1207, 91.3097



Tritanopia

31.1786, 41.2214, 62.1904

Trichromacy



Original Color

36.7619, 41.3286, 90.0441

Protanomaly

39.2898, 40.6891, 85.1399

Deuteranomaly

39.6259, 41.0283, 90.6248

Tritanomaly

32.9731, 40.9962, 71.8208

Monochromacy



Original Color

36.7619, 41.3286, 90.0441

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 36.7619, 41.3286, 90.0441 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(92, 180, 242)` looks like.

```
.text, #text, p{  
    color:rgb(92, 180, 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(92, 180, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 180, 242) }
```

Border

The CSS property to change the border of an element to XYZ 36.7619, 41.3286, 90.0441 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(92, 180, 242) }
```


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

```
.border{ border-color:rgb(92, 180, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 180, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 180, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 180, 242);  
box-shadow:4px 4px 4px 4px rgb(92, 180,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7619, 41.3286, 90.0441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 180, 242) }
```

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

```
.background{ background-color: rgb(92, 180,  
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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