

Converting Colors

XYZ(35.6142, 41.3868, 91.7265)

Have a look what the booklet for
XYZ(35.6142, 41.3868, 91.7265)
contains.

XYZ(35.5829, 41.2896, 91.6822)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.5829, 41.2896,
91.6822)**

Conversions

Conversions Part 1

Format	Color
Hex	46B6F4
RGB	70, 182, 244
RGB Percent	27%, 71%, 96%
CMY	0.7254, 0.2863, 0.0431
CMYK	0.71, 0.25, 0.00, 0.04
HSL	201°, 89%, 62%
HSV	201°, 71%, 96%
XYZ	35.5829, 41.2896, 91.6822
YIQ	155.5800, -86.6540, -4.4620

Conversions

Conversions Part 2

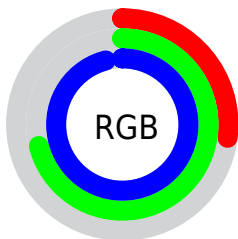
Format	Color
R _Y B	70, 138, 244
Decimal	4634356
CIE Lab	70.38, -11.96, -39.93
CIE LCh	70, 41.684, 253.327
Yxy	41.2896, 0.2111, 0.2450
Android (android.graphics.Color)	4282824436 (0xFF46B6F4)
YUV	155.5800, 43.5911, -75.0537
Hunter-Lab	64.2570, -13.6037, -39.6154

Details

The XYZ color **35.5829, 41.2896, 91.6822** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **46.6673, 36.1813, 10.3205**, and the grayscale version is **31.2550, 32.8827, 35.8093**.

A 20% lighter version of the original color is **59.1058, 73.7723, 105.7320**, and **16.8199, 19.2884, 49.8502** is the 20% darker color. If you saturate the color by 10%, you get **32.4412, 37.1088, 91.0416**, and if you desaturate by 10%, it is **39.5526, 46.0628, 92.3951**.

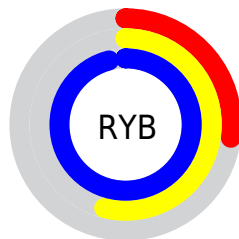
Distribution



Red (27%)

Green (71%)

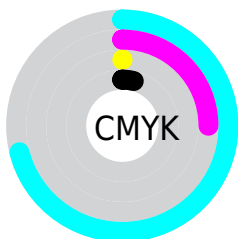
Blue (96%)



Red (27%)

Yellow (54%)

Blue (96%)

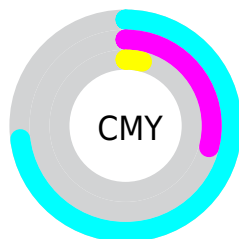


Cyan (71%)

Magenta (25%)

Yellow (0%)

Black (4%)



Cyan (73%)

Magenta (29%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5829, 41.2896, 91.6822 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 35.5829, 41.2896, 91.6822 by changing the saturation by 10% instead.

■ 35.5829, 41.2896,
91.6822

■ 35.5829, 41.2896,
91.6822

318.5969,
351.5295, 554.1986

■ 24.2808, 28.5454,
68.7951

■ 67.7159, 77.1233,
151.6287

■ 15.6679, 18.7372,
50.0742

■ 89.2775, 100.9817,
189.5253

■ 9.3788, 11.4806,
35.1007

■ 114.9898,
129.3135, 233.2621

■ 5.0482, 6.3910,
23.4563

■ 145.2179,
162.5033, 283.2576

■ 2.3106, 3.0843,
14.7223

180.3273,
200.9354, 339.9305

■ 0.8001, 1.1759,
8.4803

220.6834,

■ 0.0000, 0.0419,

244.9942, 403.6993

4.3116

266.6515,
295.0641, 474.9825

■ 0.0000, 0.0000,
1.7978

■ 0.0000, 0.0000,
0.4265

■ 35.5829, 41.2896,
91.6822

■ 35.5829, 41.2896,
91.6822

■ 32.4412, 37.1088,
91.0416

■ 39.5526, 46.0628,
92.3951

■ 30.0284, 33.4642,
90.4653

■ 44.4250, 51.4677,
93.1816

■ 28.3954, 30.6639,
90.0109

■ 50.2708, 57.5442,
94.0464

■ 57.1519, 64.3270,
94.9929

■ 65.1249, 71.8479,
96.0243

■ 74.2418, 80.1364,
97.1437

■ 84.5515, 89.2202,
98.3536

■ 92.2416, 97.1364,
99.4763

■ 93.3293, 99.3117,
99.8389

Harmonies

Analogous

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



30.4157, 41.2896, 76.1524



35.5829, 41.2896, 91.6822



42.3619, 41.2896, 92.6028

Triad

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



35.5829, 41.2896, 91.6822



53.5186, 41.2896, 36.8053



30.8773, 41.2896, 22.7082

Complementary

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



35.5829, 41.2896, 91.6822



46.6673, 36.1813, 10.3205

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.



36.2840, 41.2896, 17.3206



35.5829, 41.2896, 91.6822



49.6352, 41.2896, 23.7113

Square

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



35.5829, 41.2896, 91.6822



53.2740, 41.2896, 56.6812



43.1491, 41.2896, 17.6244



27.9235, 41.2896, 34.9730

Rectangle

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



35.5829, 41.2896, 91.6822



46.9409, 41.2896, 84.4503



43.1491, 41.2896, 17.6244



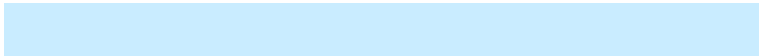
32.4390, 41.2896, 20.2172

Sweetspot

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



35.5844, 41.2910, 91.6832



72.2304, 79.6437, 106.1736



38.9682, 67.6408, 32.4424



14.9097, 16.5354, 22.6558



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.



35.5844, 41.2910, 91.6832



34.4606, 38.9766, 100.3147



23.0490, 16.2203, 87.5048



16.4710, 17.7063, 21.0921



15.5734, 16.9406, 48.9871



1.4655, 1.6825, 4.3377

Inverse Universe

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



47.9432, 26.9927, 46.9403



49.7832, 25.6722, 43.8505



63.4607, 69.7680, 15.9183



16.9483, 16.6622, 19.4744



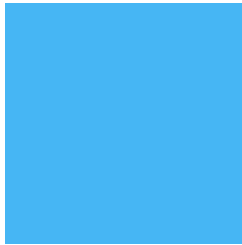
23.6653, 11.8095, 18.7434



2.1288, 1.0575, 1.9046

Previews

White Background



This preview shows how the XYZ color 35.5829, 41.2896, 91.6822 looks on a white background.

Color Contrast Check

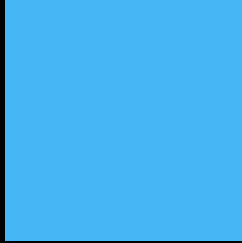
Large Text (above 18pt) WCAG AA × Fail

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 35.5829, 41.2896, 91.6822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

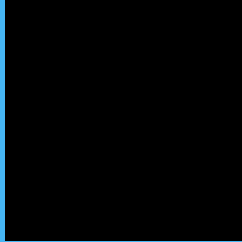
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

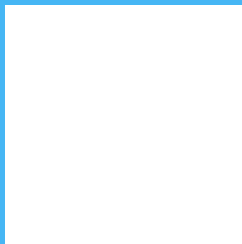
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.5829, 41.2896, 91.6822

Background



This preview shows how black text looks on a background with the XYZ color 35.5829, 41.2896, 91.6822.



This preview shows how white text looks on a background with the XYZ color 35.5829, 41.2896,

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

35.5829, 41.2896, 91.6822

Protanopia

41.8448, 40.9345, 82.7865

Deuteranopia

41.9610, 40.7541, 93.6504



Tritanopia

30.0537, 41.2343, 64.1326

Trichromacy



Original Color

35.5829, 41.2896, 91.6822

Protanomaly

38.4482, 40.5241, 85.9163

Deuteranomaly

38.8408, 40.5708, 92.9726

Tritanomaly

31.6605, 40.9104, 73.2456

Monochromacy



Original Color

35.5829, 41.2896, 91.6822

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.9897, 34.9011, 52.6802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5829, 41.2896, 91.6822 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(70, 182, 244)` looks like.

```
.text, #text, p{  
    color:rgb(70, 182, 244)  
}
```

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(70, 182, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 182, 244) }
```

Border

The CSS property to change the border of an element to XYZ 35.5829, 41.2896, 91.6822 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(70, 182, 244) }
```


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

```
.border{ border-color:rgb(70, 182, 244) }
```

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

Here you see how a box with a 4 pixel rgb(70, 182, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 182, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 182, 244);  
box-shadow:4px 4px 4px 4px rgb(70, 182,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5829, 41.2896, 91.6822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 182, 244) }
```

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

```
.background{ background-color: rgb(70, 182,  
244) }
```

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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