

Converting Colors

XYZ(35.1780, 43.1238, 89.7051)

Have a look what the booklet for
XYZ(35.1780, 43.1238, 89.7051)
contains.

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Color

**XYZ(35.0793, 42.9457,
89.6596)**

Conversions

Conversions Part 1

Format	Color
Hex	30BCF1
RGB	48, 188, 241
RGB Percent	19%, 74%, 95%
CMY	0.8117, 0.2627, 0.0549
CMYK	0.80, 0.22, 0.00, 0.05
HSL	196°, 87%, 57%
HSV	196°, 80%, 95%
XYZ	35.0793, 42.9457, 89.6596
YIQ	152.1820, -100.4530, -13.1970

Conversions

Conversions Part 2

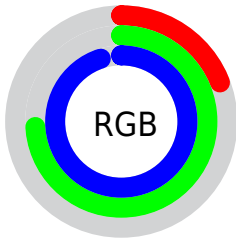
Format	Color
R _{YB}	48, 129, 241
Decimal	3194097
CIE Lab	71.52, -18.58, -36.57
CIE LCh	72, 41.017, 243.064
Yxy	42.9457, 0.2092, 0.2561
Android (android.graphics.Color)	4281384177 (0xFF30BCF1)
YUV	152.1820, 43.7873, -91.3676
Hunter-Lab	65.5330, -19.1330, -35.2451

Details

The XYZ color **35.0793, 42.9457, 89.6596** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **41.4650, 28.2248, 6.0606**, and the grayscale version is **29.7741, 31.3247, 34.1126**.

A 20% lighter version of the original color is **58.8581, 76.2813, 106.2294**, and **17.4209, 20.8307, 49.0015** is the 20% darker color. If you saturate the color by 10%, you get **32.8541, 39.7482, 89.1606**, and if you desaturate by 10%, it is **37.9888, 46.5937, 90.2113**.

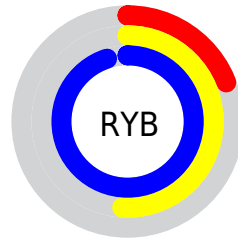
Distribution



Red (19%)

Green (74%)

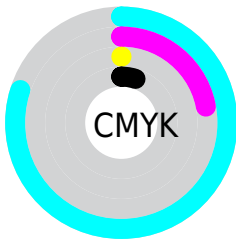
Blue (95%)



Red (19%)

Yellow (51%)

Blue (95%)

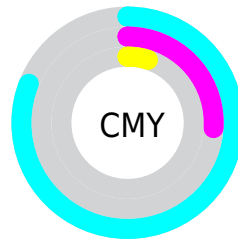


Cyan (80%)

Magenta (22%)

Yellow (0%)

Black (5%)



Cyan (81%)

Magenta (26%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0793, 42.9457, 89.6596 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 35.0793, 42.9457, 89.6596 by changing the saturation by 10% instead.

35.0793, 42.9457,
89.6596

35.0793, 42.9457,
89.6596

316.4201,
358.3884, 547.4644

23.8908, 29.8425,
67.1262

66.9418, 79.6289,
148.7969

15.3769, 19.7191,
48.7250

88.3465, 103.9777,
186.2378

9.1724, 12.1910,
34.0373

113.8873,
132.8439, 229.4851

4.9118, 6.8739,
22.6447

143.9295,
166.6118, 278.9571

2.2298, 3.3834,
14.1285

178.8386,
205.6657, 335.0726

0.7584, 1.3350,
8.0703

218.9798,

0.0000, 0.1681,

250.3903, 398.2499

4.0516

264.7185,
301.1697, 468.9077

■ 0.0000, 0.0000,
1.6537

■ 0.0000, 0.0000,
0.3287

■ 35.0793, 42.9457,
89.6596

■ 35.0793, 42.9457,
89.6596

■ 32.8541, 39.7482,
89.1606

■ 37.9888, 46.5937,
90.2113

■ 31.1715, 36.9392,
88.7071

■ 41.6666, 50.7345,
90.8167

■ 46.1884, 55.4093,
91.4807

■ 51.6193, 60.6526,
92.2065

■ 58.0177, 66.4958,
92.9971

■ 65.4369, 72.9675,
93.8552

■ 73.9261, 80.0943,
94.7834

■ 83.5314, 87.9010,
95.7840

■ 90.5525, 94.4812,
96.6841

Harmonies

Analogous

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



30.6460, 42.9457, 70.8022



35.0793, 42.9457, 89.6596



41.5344, 42.9457, 96.1091

Triad

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



35.0793, 42.9457, 89.6596



55.6100, 42.9457, 44.7519



33.9769, 42.9457, 21.5307

Complementary

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



35.0793, 42.9457, 89.6596



41.4650, 28.2248, 6.0606

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.



40.1111, 42.9457, 18.0834



35.0793, 42.9457, 89.6596



53.0248, 42.9457, 28.8894

Square

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



35.0793, 42.9457, 89.6596



53.8766, 42.9457, 66.2487



47.1521, 42.9457, 20.3381



30.0619, 42.9457, 31.5265

Rectangle

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



35.0793, 42.9457, 89.6596



46.2600, 42.9457, 91.3508



47.1521, 42.9457, 20.3381



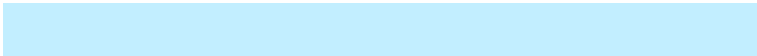
35.8215, 42.9457, 19.7194

Sweetspot

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



35.0808, 42.9472, 89.6607



70.8775, 79.9243, 106.2990



34.9505, 64.4501, 22.5229



14.5328, 16.5487, 22.6782



0.0000, 0.0000, 0.0000



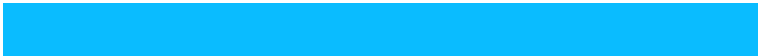
20.3446, 21.4041, 23.3091

Same Dimension

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



35.0808, 42.9472, 89.6607



36.1121, 43.1547, 101.0341



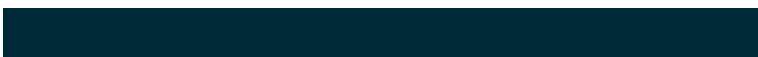
21.0155, 14.8165, 84.9722



15.8590, 17.1521, 20.1964



17.0218, 20.2679, 48.1428



1.4986, 1.8513, 4.0326

Inverse Universe

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



46.4110, 24.4472, 49.8510



50.4032, 25.1024, 49.6365



56.5433, 58.3815, 11.0867



16.2583, 15.9530, 18.9162



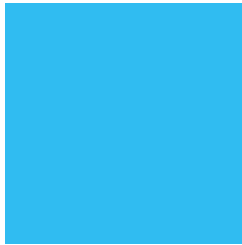
23.9175, 11.8394, 23.2797



2.0314, 1.0016, 2.1561

Previews

White Background



This preview shows how the XYZ color 35.0793, 42.9457, 89.6596 looks on a white background.

Color Contrast Check

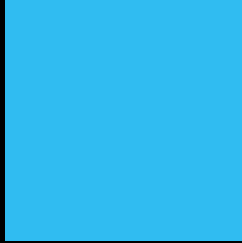
Large Text (above 18pt) WCAG AA × Fail

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 35.0793, 42.9457, 89.6596 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

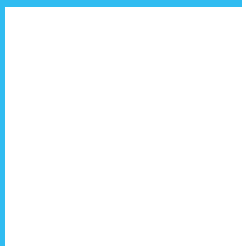
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.0793, 42.9457, 89.6596

Background



This preview shows how black text looks on a background with the XYZ color 35.0793, 42.9457, 89.6596.

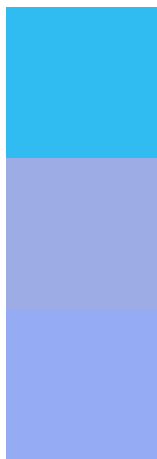


This preview shows how white text looks on a background with the XYZ color 35.0793, 42.9457,

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

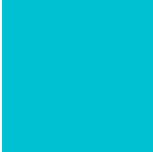
35.0793, 42.9457, 89.6596

Protanopia

42.9959, 42.4313, 80.0527

Deuteranopia

43.6284, 42.4872, 92.2876



Tritanopia

30.5786, 42.7434, 66.9602

Trichromacy



Original Color

35.0793, 42.9457, 89.6596

Protanomaly

38.0996, 41.5755, 83.1076

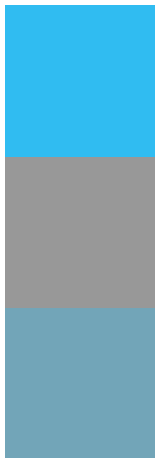
Deuteranomaly

38.9316, 41.8172, 91.6076

Tritanomaly

31.9131, 42.6012, 74.9475

Monochromacy



Original Color

35.0793, 42.9457, 89.6596

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.0463, 33.9484, 50.3692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0793, 42.9457, 89.6596 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(48, 188, 241)` looks like.

```
.text, #text, p{  
    color:rgb(48, 188, 241)  
}
```

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(48, 188, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 188, 241) }
```

Border

The CSS property to change the border of an element to XYZ 35.0793, 42.9457, 89.6596 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(48, 188, 241) }
```


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

```
.border{ border-color:rgb(48, 188, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 188, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 188, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 188, 241);  
box-shadow:4px 4px 4px 4px rgb(48, 188,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0793, 42.9457, 89.6596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 188, 241) }
```

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

```
.background{ background-color: rgb(48, 188,  
241) }
```

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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