

Converting Colors

XYZ(35.1795, 41.9572, 88.6835)

Have a look what the booklet for
XYZ(35.1795, 41.9572, 88.6835)
contains.

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Color

**XYZ(35.2571, 42.1130,
88.7085)**

Conversions

Conversions Part 1

Format	Color
Hex	41B9F0
RGB	65, 185, 240
RGB Percent	25%, 73%, 94%
CMY	0.7451, 0.2745, 0.0588
CMYK	0.73, 0.23, 0.00, 0.06
HSL	199°, 85%, 60%
HSV	199°, 73%, 94%
XYZ	35.2571, 42.1130, 88.7085
YIQ	155.3900, -89.1750, -8.3350

Conversions

Conversions Part 2

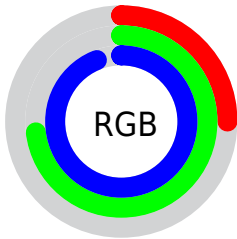
Format	Color
R _Y B	65, 136, 240
Decimal	4307440
CIE Lab	70.95, -15.52, -36.88
CIE LCh	71, 40.016, 247.177
Yxy	42.1130, 0.2123, 0.2536
Android (android.graphics.Color)	4282497520 (0xFF41B9F0)
YUV	155.3900, 41.7127, -79.2720
Hunter-Lab	64.8945, -16.5866, -35.6211

Details

The XYZ color **35.2571, 42.1130, 88.7085** 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 **43.6078, 32.3428, 8.9473**, and the grayscale version is **31.1797, 32.8035, 35.7230**.

A 20% lighter version of the original color is **59.3368, 75.1989, 105.9952**, and **16.9030, 19.9632, 48.3098** is the 20% darker color. If you saturate the color by 10%, you get **32.4563, 38.3890, 88.1382**, and if you desaturate by 10%, it is **38.8190, 46.3551, 89.3404**.

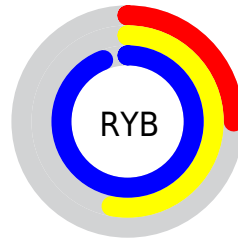
Distribution



Red (25%)

Green (73%)

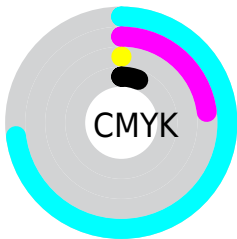
Blue (94%)



Red (25%)

Yellow (53%)

Blue (94%)

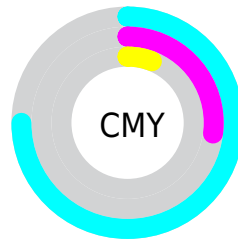


Cyan (73%)

Magenta (23%)

Yellow (0%)

Black (6%)



Cyan (75%)

Magenta (27%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2571, 42.1130, 88.7085 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 35.2571, 42.1130, 88.7085 by changing the saturation by 10% instead.

■ 35.2571, 42.1130,
88.7085

■ 35.2571, 42.1130,
88.7085

317.1899,
354.9512, 544.2820

■ 24.0284, 29.1898,
66.3423

■ 67.2153, 78.3706,
147.4629

■ 15.4796, 19.2244,
48.0921

■ 88.6755, 102.4738,
184.6883

■ 9.2451, 11.8326,
33.5393

■ 114.2769,
131.0724, 227.7037

■ 4.9598, 6.6298,
22.2654

■ 144.3849,
164.5509, 276.9279

■ 2.2582, 3.2317,
13.8519

179.3649,
203.2936, 332.7792

■ 0.7732, 1.2538,
7.8801

219.5821,

■ 0.0000, 0.1050,

247.6850, 395.6763

3.9317

265.4020,
298.1094, 466.0377

■ 0.0000, 0.0000,
1.5879

■ 0.0000, 0.0000,
0.2822

■ 35.2571, 42.1130,
88.7085

■ 35.2571, 42.1130,
88.7085

■ 32.4563, 38.3890,
88.1382

■ 38.8190, 46.3551,
89.3404

■ 30.3187, 35.1286,
87.6215

■ 43.2148, 51.1525,
90.0347

■ 29.1059, 33.0464,
87.2835

■ 48.5131, 56.5432,
90.7960

■ 54.7739, 62.5598,
91.6273

■ 62.0515, 69.2322,
92.5316

■ 70.3961, 76.5878,
93.5116

■ 79.8545, 84.6526,
94.5698

■ 89.7261, 93.0669,
95.6736

■ 92.0593, 97.7332,
96.4513

Harmonies

Analogous

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



30.6559, 42.1130, 71.8145



35.2571, 42.1130, 88.7085



41.6505, 42.1130, 92.7861

Triad

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



35.2571, 42.1130, 88.7085



54.1433, 42.1130, 41.4174



32.7685, 42.1130, 22.3782

Complementary

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



35.2571, 42.1130, 88.7085



43.6078, 32.3428, 8.9473

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.



38.4465, 42.1130, 18.2189



35.2571, 42.1130, 88.7085



51.1366, 42.1130, 27.0516

Square

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



35.2571, 42.1130, 88.7085



53.0459, 42.1130, 61.6222



45.2091, 42.1130, 19.6532



29.3344, 42.1130, 33.0349

Rectangle

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



35.2571, 42.1130, 88.7085



46.1735, 42.1130, 86.8903



45.2091, 42.1130, 19.6532



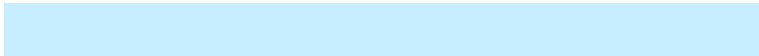
34.4520, 42.1130, 20.3311

Sweetspot

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



35.2586, 42.1145, 88.7095



71.9675, 80.1301, 106.2813



36.5821, 64.7414, 27.5552



14.8862, 16.6851, 22.6859



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.



35.2586, 42.1145, 88.7095



36.0881, 42.3580, 100.8816



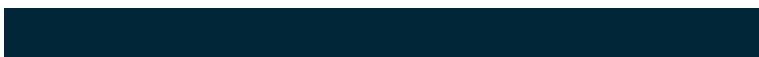
22.4672, 16.5318, 84.4458



15.8040, 17.0421, 20.1781



16.0573, 18.3388, 47.8213



1.4244, 1.7028, 4.0078

Inverse Universe

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



46.5838, 25.8103, 48.4269



50.5738, 25.8704, 48.3781



58.7222, 62.5715, 13.9854



16.2305, 15.9419, 18.7700



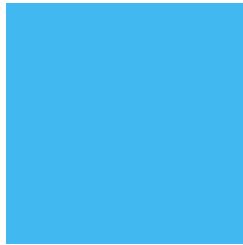
23.4306, 11.6447, 20.7158



1.9939, 0.9866, 1.9589

Previews

White Background



This preview shows how the XYZ color 35.2571, 42.1130, 88.7085 looks on a white background.

Color Contrast Check

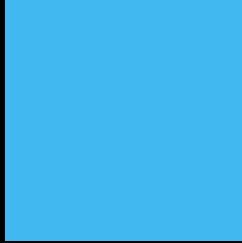
Large Text (above 18pt) WCAG AA × Fail

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 35.2571, 42.1130, 88.7085 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

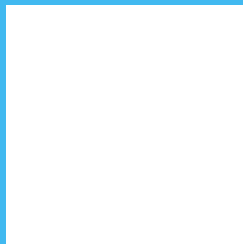
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.2571, 42.1130, 88.7085

Background



This preview shows how black text looks on a background with the XYZ color 35.2571, 42.1130, 88.7085.



This preview shows how white text looks on a background with the XYZ color 35.2571, 42.1130,

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

35.2571, 42.1130, 88.7085

Protanopia

42.2279, 41.4745, 79.9085

Deuteranopia

42.7732, 41.7999, 90.6078



Tritanopia

30.6208, 42.1417, 65.5518

Trichromacy



Original Color

35.2571, 42.1130, 88.7085

Protanomaly

38.2063, 40.7541, 82.9434

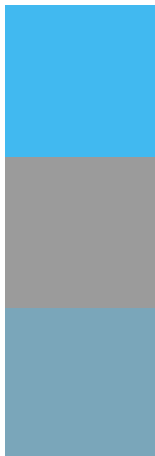
Deuteranomaly

38.8885, 41.2434, 89.9155

Tritanomaly

32.1561, 42.1140, 73.4518

Monochromacy



Original Color

35.2571, 42.1130, 88.7085

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.5252, 34.9552, 51.5926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2571, 42.1130, 88.7085 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(65, 185, 240)` looks like.

```
.text, #text, p{  
    color:rgb(65, 185, 240)  
}
```

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(65, 185, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 185, 240) }
```

Border

The CSS property to change the border of an element to XYZ 35.2571, 42.1130, 88.7085 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(65, 185, 240) }
```


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

```
.border{ border-color:rgb(65, 185, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 185, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 185, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 185, 240);  
box-shadow:4px 4px 4px 4px rgb(65, 185,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2571, 42.1130, 88.7085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 185, 240) }
```

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

```
.background{ background-color: rgb(65, 185,  
240) }
```

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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