

Converting Colors

XYZ(35.6129, 42.9219, 88.8458)

Have a look what the booklet for
XYZ(35.6129, 42.9219, 88.8458)
contains.

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Color

**XYZ(35.6129, 42.9219,
88.8458)**

Conversions

Conversions Part 1

Format	Color
Hex	40BBF0
RGB	64, 187, 240
RGB Percent	25%, 73%, 94%
CMY	0.7490, 0.2667, 0.0588
CMYK	0.73, 0.22, 0.00, 0.06
HSL	198°, 85%, 60%
HSV	198°, 73%, 94%
XYZ	35.6129, 42.9219, 88.8458
YIQ	156.2650, -90.3210, -9.5930

Conversions

Conversions Part 2

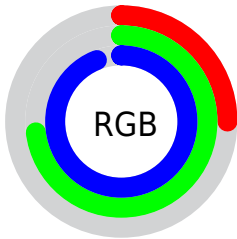
Format	Color
RYB	64, 136, 240
Decimal	4242416
CIELab	71.50, -16.70, -36.03
CIElCh	72, 39.709, 245.128
Yxy	42.9219, 0.2128, 0.2564
Android (android.graphics.Color)	4282432496 (0xFF40BBF0)
YUV	156.2650, 41.2814, -80.9164
Hunter-Lab	65.5148, -17.6209, -34.5439

Details

The XYZ color **35.6129, 42.9219, 88.8458** 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 **43.2241, 31.6212, 8.6779**, and the grayscale version is **31.5708, 33.2149, 36.1711**.

A 20% lighter version of the original color is **59.7735, 76.3077, 106.1862**, and **17.1768, 20.5109, 48.4011** is the 20% darker color. If you saturate the color by 10%, you get **32.8797, 39.2943, 88.2905**, and if you desaturate by 10%, it is **39.0971, 47.0527, 89.4603**.

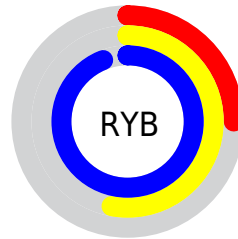
Distribution



Red (25%)

Green (73%)

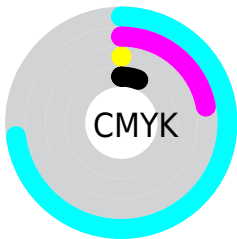
Blue (94%)



Red (25%)

Yellow (53%)

Blue (94%)

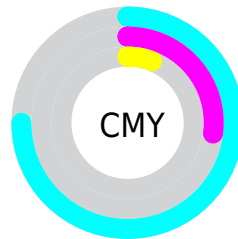


Cyan (73%)

Magenta (22%)

Yellow (0%)

Black (6%)



Cyan (75%)

Magenta (27%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6129, 42.9219, 88.8458 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 35.6129, 42.9219, 88.8458 by changing the saturation by 10% instead.

■ 35.6129, 42.9219,
88.8458

■ 35.6129, 42.9219,
88.8458

318.7263,
358.2905, 544.7420

■ 24.3041, 29.8238,
66.4554

■ 67.7620, 79.5930,
147.6556

■ 15.6853, 19.7049,
48.1834

■ 89.3329, 103.9348,
184.9121

■ 9.3912, 12.1807,
33.6111

■ 115.0553,
132.7933, 227.9611

■ 5.0563, 6.8669,
22.3201

■ 145.2945,
166.5530, 277.2211

■ 2.3155, 3.3790,
13.8917

180.4158,
205.5981, 333.1107

■ 0.8026, 1.3326,
7.9075

220.7847,

■ 0.0000, 0.1663,

250.3132, 396.0483

3.9489

266.7664,
301.0825, 466.4526

■ 0.0000, 0.0000,
1.5973

■ 0.0000, 0.0000,
0.2889

■ 35.6129, 42.9219,
88.8458

■ 35.6129, 42.9219,
88.8458

■ 32.8797, 39.2943,
88.2905

■ 39.0971, 47.0527,
89.4603

■ 30.7991, 36.1153,
87.7866

■ 43.4057, 51.7240,
90.1349

■ 29.6802, 34.1950,
87.4749

■ 48.6073, 56.9734,
90.8740

■ 54.7619, 62.8335,
91.6807

■ 61.9242, 69.3339,
92.5579

■ 70.1442, 76.5021,
93.5083

■ 79.4687, 84.3636,
94.5342

■ 89.5674, 92.7494,
95.6206

■ 91.7948, 97.2043,
96.3631

Harmonies

Analogous

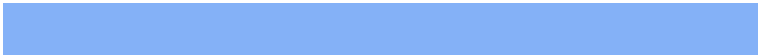
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.1388, 42.9219, 71.3468



35.6129, 42.9219, 88.8458



41.9585, 42.9219, 93.9672

Triad

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



35.6129, 42.9219, 88.8458



55.0226, 42.9219, 43.5133



33.8218, 42.9219, 22.5840

Complementary

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



35.6129, 42.9219, 88.8458



43.2241, 31.6212, 8.6779

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.



39.6551, 42.9219, 18.7731



35.6129, 42.9219, 88.8458



52.2680, 42.9219, 28.5543

Square

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



35.6129, 42.9219, 88.8458



53.6384, 42.9219, 64.0374



46.4590, 42.9219, 20.6132



30.1868, 42.9219, 32.8684

Rectangle

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



35.6129, 42.9219, 88.8458



46.5159, 42.9219, 88.7390



46.4590, 42.9219, 20.6132



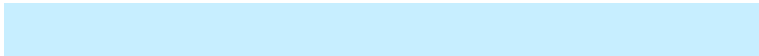
35.5653, 42.9219, 20.6535

Sweetspot

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



35.6144, 42.9234, 88.8469



72.1819, 80.5589, 106.3528



36.4754, 64.6911, 27.3353



14.9372, 16.7870, 22.7029



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.



35.6144, 42.9234, 88.8469



36.4630, 43.2250, 101.0292



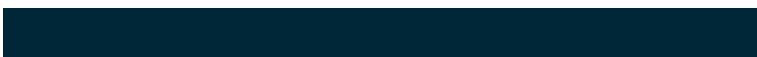
22.3254, 16.3455, 84.4172



15.8222, 17.0785, 20.1842



16.3693, 18.9629, 47.9253



1.4485, 1.7511, 4.0159

Inverse Universe

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



46.7396, 25.7817, 49.5279



50.7345, 25.8252, 49.5615



58.6457, 62.4645, 13.8184



16.2397, 15.9456, 18.8184



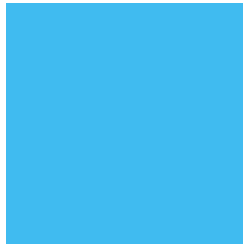
23.5881, 11.7077, 21.5453



2.0061, 0.9915, 2.0230

Previews

White Background



This preview shows how the XYZ color 35.6129, 42.9219, 88.8458 looks on a white background.

Color Contrast Check

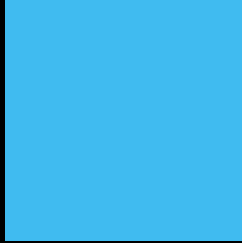
Large Text (above 18pt) WCAG AA × Fail

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 35.6129, 42.9219, 88.8458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

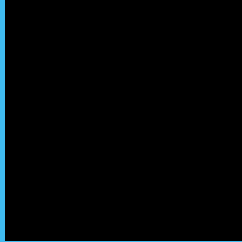
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

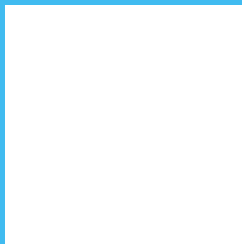
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6129, 42.9219, 88.8458

Background



This preview shows how black text looks on a background with the XYZ color 35.6129, 42.9219, 88.8458.

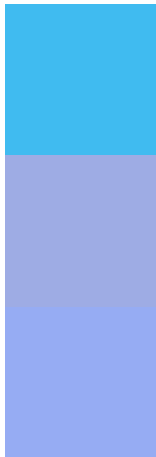


This preview shows how white text looks on a background with the XYZ color 35.6129, 42.9219,

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

35.6129, 42.9219, 88.8458

Protanopia

42.8567, 42.3756, 79.3193

Deuteranopia

43.5079, 42.4601, 90.6965



Tritanopia

31.1827, 43.0691, 66.3442

Trichromacy



Original Color

35.6129, 42.9219, 88.8458

Protanomaly

38.5998, 41.5556, 82.3305

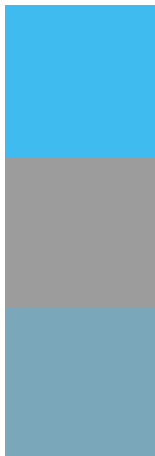
Deuteranomaly

39.3569, 41.7770, 89.9938

Tritanomaly

32.6758, 43.0098, 74.2897

Monochromacy



Original Color

35.6129, 42.9219, 88.8458

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.9567, 35.4362, 52.2220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6129, 42.9219, 88.8458 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(64, 187, 240)` looks like.

```
.text, #text, p{  
    color:rgb(64, 187, 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(64, 187, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 187, 240) }
```

Border

The CSS property to change the border of an element to XYZ 35.6129, 42.9219, 88.8458 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(64, 187, 240) }
```


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

```
.border{ border-color:rgb(64, 187, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 187, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 187, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 187, 240);  
box-shadow:4px 4px 4px 4px rgb(64, 187,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6129, 42.9219, 88.8458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 187, 240) }
```

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

```
.background{ background-color: rgb(64, 187,  
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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