

Converting Colors

XYZ(30.4432, 35.6133, 82.3603)

Have a look what the booklet for
XYZ(30.4432, 35.6133, 82.3603)
contains.

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Color

**XYZ(30.4432, 35.6133,
82.3603)**

Conversions

Conversions Part 1

Format	Color
Hex	2FABE9
RGB	47, 171, 233
RGB Percent	18%, 67%, 91%
CMY	0.8156, 0.3294, 0.0863
CMYK	0.80, 0.27, 0.00, 0.09
HSL	200°, 81%, 55%
HSV	200°, 80%, 91%
XYZ	30.4432, 35.6133, 82.3603
YIQ	140.9920, -93.8060, -7.0060

Conversions

Conversions Part 2

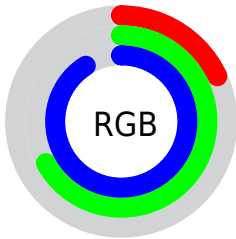
Format	Color
R _Y B	47, 121, 233
Decimal	3124201
CIE Lab	66.22, -12.31, -40.46
CIE LCh	66, 42.295, 253.078
Yxy	35.6133, 0.2051, 0.2400
Android (android.graphics.Color)	4281314281 (0xFF2FABE9)
YUV	140.9920, 45.3599, -82.4310
Hunter-Lab	59.6769, -13.3756, -40.0525

Details

The XYZ color **30.4432, 35.6133, 82.3603** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **39.5885, 28.4701, 6.1000**, and the grayscale version is **25.1710, 26.4818, 28.8387**.

A 20% lighter version of the original color is **53.2724, 65.7503, 104.4911**, and **14.5326, 16.3680, 43.9884** is the 20% darker color. If you saturate the color by 10%, you get **28.2170, 32.3517, 81.8488**, and if you desaturate by 10%, it is **33.3308, 39.3449, 82.9291**.

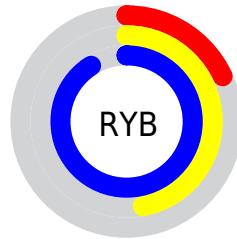
Distribution



Red (18%)

Green (67%)

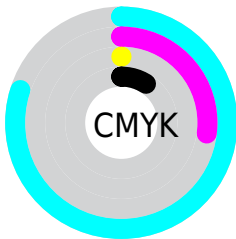
Blue (91%)



Red (18%)

Yellow (47%)

Blue (91%)

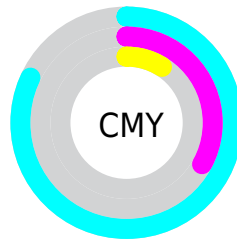


Cyan (80%)

Magenta (27%)

Yellow (0%)

Black (9%)



Cyan (82%)

Magenta (33%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4432, 35.6133, 82.3603 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 30.4432, 35.6133, 82.3603 by changing the saturation by 10% instead.

■ 30.4432, 35.6133,
82.3603

■ 30.4432, 35.6133,
82.3603

295.8378,
327.2672, 522.7671

■ 20.3250, 24.1357,
61.1250

■ 59.7442, 68.4348,
138.5204

■ 12.7411, 15.4343,
43.8949

■ 79.6577, 90.5474,
174.2822

■ 7.3263, 9.1248,
30.2513

■ 103.5670,
116.9739, 215.7234

■ 3.7151, 4.8226,
19.7757

■ 131.8374,
148.0986, 263.2623

■ 1.5423, 2.1436,
12.0497

■ 164.8343,
184.3059, 317.3176

■ 0.3543, 0.6890,
6.6546

202.9231,

■ 0.0000, 0.0000,

225.9801, 378.3079

3.1719

246.4692,
273.5058, 446.6515

■ 0.0000, 0.0000,
1.1830

■ 0.0000, 0.0000,
0.0000

■ 30.4432, 35.6133,
82.3603

■ 30.4432, 35.6133,
82.3603

■ 28.2170, 32.3517,
81.8488

■ 33.3308, 39.3449,
82.9291


■ 26.5126, 29.4844,
81.3852


■ 36.9573, 43.5871,
83.5568


■ 26.4841, 29.4352,
81.3772


■ 41.3927, 48.3784,
84.2478


■ 46.6974, 53.7521,
85.0055

 52.9255, 59.7380,
85.8326

 60.1265, 66.3637,
86.7320

 68.3464, 73.6546,
87.7060

 77.6279, 81.6347,
88.7572

 87.3761, 89.9991,
89.8579

Harmonies

Analogous

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



25.7468, 35.6133, 67.6401



30.4432, 35.6133, 82.3603



36.6664, 35.6133, 83.3597

Triad

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



30.4432, 35.6133, 82.3603



47.0790, 35.6133, 31.4414



26.2287, 35.6133, 18.5493

Complementary

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



30.4432, 35.6133, 82.3603



39.5885, 28.4701, 6.1000

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.



31.1805, 35.6133, 13.8430



30.4432, 35.6133, 82.3603



43.4951, 35.6133, 19.5743

Square

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



30.4432, 35.6133, 82.3603



46.8174, 35.6133, 49.7813



37.5006, 35.6133, 14.1484



23.5287, 35.6133, 29.5268

Rectangle

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



30.4432, 35.6133, 82.3603



40.9037, 35.6133, 75.7346



37.5006, 35.6133, 14.1484



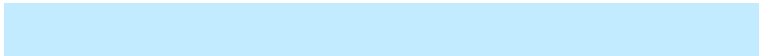
27.6566, 35.6133, 16.3595

Sweetspot

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



30.4445, 35.6145, 82.3612



69.8403, 77.8498, 105.9533



33.0733, 59.9875, 24.3071



14.2817, 16.0467, 22.5945



0.0000, 0.0000, 0.0000



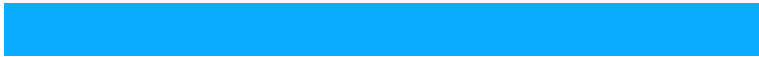
20.3446, 21.4041, 23.3091

Same Dimension

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



30.4445, 35.6145, 82.3612



33.1968, 37.3241, 100.0624



18.6067, 11.9390, 78.4153



15.0701, 16.2267, 19.2600



15.1460, 16.9390, 46.2142



1.2771, 1.5057, 3.6582

Inverse Universe

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



41.9727, 22.2986, 40.6208



48.9317, 24.5138, 41.8878



55.2395, 59.7720, 11.3170



15.4890, 15.2234, 17.8601



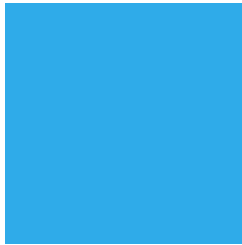
22.5003, 11.2028, 18.9678



1.8111, 0.8974, 1.7228

Previews

White Background



This preview shows how the XYZ color 30.4432, 35.6133, 82.3603 looks on a white background.

Color Contrast Check

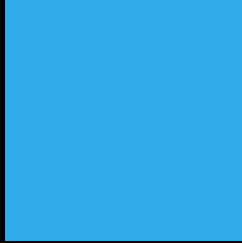
Large Text (above 18pt) WCAG AA × Fail

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 30.4432, 35.6133, 82.3603 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

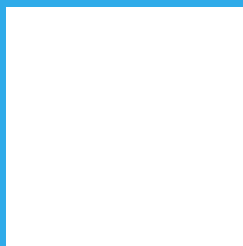
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4432, 35.6133, 82.3603

Background



This preview shows how black text looks on a background with the XYZ color 30.4432, 35.6133, 82.3603.

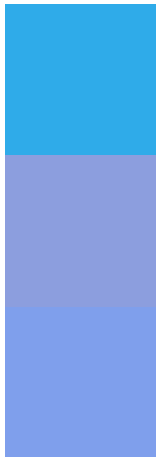


This preview shows how white text looks on a background with the XYZ color 30.4432, 35.6133,

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

30.4432, 35.6133, 82.3603

Protanopia

36.2269, 35.3031, 74.0121

Deuteranopia

36.2909, 35.3644, 84.2702



Tritanopia

25.4348, 35.6466, 55.4091

Trichromacy



Original Color

30.4432, 35.6133, 82.3603

Protanomaly

32.7685, 34.7495, 76.9318

Deuteranomaly

33.1296, 34.7892, 83.5661

Tritanomaly

26.8236, 35.2841, 64.4282

Monochromacy



Original Color

30.4432, 35.6133, 82.3603

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.9316, 28.6383, 44.2581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4432, 35.6133, 82.3603 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(47, 171, 233)` looks like.

```
.text, #text, p{  
    color:rgb(47, 171, 233)  
}
```

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(47, 171, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 171, 233) }
```

Border

The CSS property to change the border of an element to XYZ 30.4432, 35.6133, 82.3603 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(47, 171, 233) }
```


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

```
.border{ border-color:rgb(47, 171, 233) }
```

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

Here you see how a box with a 4 pixel rgb(47, 171, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 171, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 171, 233);  
box-shadow:4px 4px 4px 4px rgb(47, 171,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4432, 35.6133, 82.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 171, 233) }
```

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

```
.background{ background-color: rgb(47, 171,  
233) }
```

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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