

Converting Colors

XYZ(30.3960, 35.8620, 76.5348)

Have a look what the booklet for
XYZ(30.3960, 35.8620, 76.5348)
contains.

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Color

**XYZ(30.5231, 36.0651,
76.5867)**

Conversions

Conversions Part 1

Format	Color
Hex	41ACE1
RGB	65, 172, 225
RGB Percent	25%, 67%, 88%
CMY	0.7451, 0.3255, 0.1176
CMYK	0.71, 0.24, 0.00, 0.12
HSL	200°, 73%, 57%
HSV	200°, 71%, 88%
XYZ	30.5231, 36.0651, 76.5867
YIQ	146.0490, -80.7850, -6.2010

Conversions

Conversions Part 2

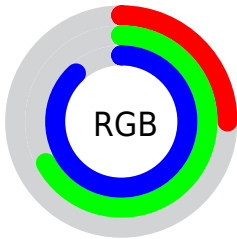
Format	Color
R_{YB}	65, 129, 225
Decimal	4304097
CIE _{Lab}	66.57, -13.50, -35.51
CIE _{LCh}	67, 37.986, 249.176
Yxy	36.0651, 0.2132, 0.2519
Android (android.graphics.Color)	4282494177 (0xFF41ACE1)
YUV	146.0490, 38.9228, -71.0800
Hunter-Lab	60.0542, -14.3707, -33.5741

Details

The XYZ color **30.5231, 36.0651, 76.5867** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **38.4856, 29.3486, 8.6391**, and the grayscale version is **27.2126, 28.6298, 31.1778**.

A 20% lighter version of the original color is **54.8792, 66.9835, 104.6444**, and **13.8779, 16.2975, 39.9504** is the 20% darker color. If you saturate the color by 10%, you get **27.9405, 32.6871, 76.0715**, and if you desaturate by 10%, it is **33.7807, 39.9104, 77.1579**.

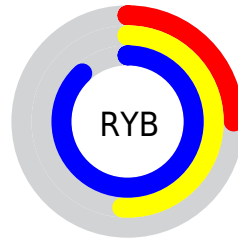
Distribution



Red (25%)

Green (67%)

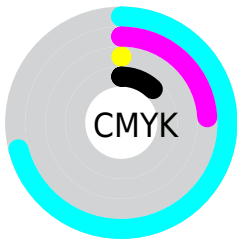
Blue (88%)



Red (25%)

Yellow (51%)

Blue (88%)

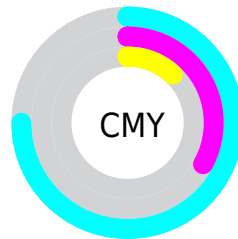


Cyan (71%)

Magenta (24%)

Yellow (0%)

Black (12%)



Cyan (75%)

Magenta (33%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5231, 36.0651, 76.5867 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 30.5231, 36.0651, 76.5867 by changing the saturation by 10% instead.

■ 30.5231, 36.0651,
76.5867

■ 30.5231, 36.0651,
76.5867

296.2015,
329.2450, 502.7539

■ 20.3860, 24.4845,
56.4042

■ 59.8694, 69.1325,
130.3236

■ 12.7858, 15.6934,
40.1209

■ 79.8094, 91.3881,
164.7150

■ 7.3572, 9.3075,
27.3183

■ 103.7476,
117.9709, 204.6799

■ 3.7348, 4.9423,
17.5779

■ 132.0496,
149.2651, 250.6366

■ 1.5532, 2.2134,
10.4811

165.0806,
185.6552, 303.0039

■ 0.3616, 0.7273,
5.6093

203.2060,

■ 0.0000, 0.0000,

227.5256, 362.2002

2.5441

246.7912,
275.2608, 428.6440

■ 0.0000, 0.0000,
0.8634

■ 0.0000, 0.0000,
0.0000

■ 30.5231, 36.0651,
76.5867

■ 30.5231, 36.0651,
76.5867

■ 27.9405, 32.6871,
76.0715

■ 33.7807, 39.9104,
77.1579

■ 25.9526, 29.7313,
75.6058

■ 37.7735, 44.2541,
77.7859

■ 24.5717, 27.3982,
75.2282

■ 42.5591, 49.1283,
78.4745

■ 48.1878, 54.5607,
79.2264

■ 54.7055, 60.5768,
80.0441

■ 62.1546, 67.2001,
80.9299

■ 70.5748, 74.4529,
81.8860

■ 80.0034, 82.3558,
82.9145

■ 85.7216, 88.4780,
83.7948

Harmonies

Analogous

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



26.4547, 36.0651, 62.6614



30.5231, 36.0651, 76.5867



36.0592, 36.0651, 79.1930

Triad

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



30.5231, 36.0651, 76.5867



46.2961, 36.0651, 34.4661



27.8021, 36.0651, 19.5936

Complementary

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



30.5231, 36.0651, 76.5867



38.4856, 29.3486, 8.6391

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.



32.5580, 36.0651, 15.6933



30.5231, 36.0651, 76.5867



43.5108, 36.0651, 22.5704

Square

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



30.5231, 36.0651, 76.5867



45.5953, 36.0651, 51.5369



38.3306, 36.0651, 16.6062



25.0092, 36.0651, 29.1206

Rectangle

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



30.5231, 36.0651, 76.5867



39.9128, 36.0651, 73.6057



38.3306, 36.0651, 16.6062



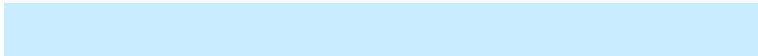
29.2016, 36.0651, 17.7204

Sweetspot

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



30.5244, 36.0664, 76.5876



72.6183, 80.4195, 106.3029



32.2396, 56.2285, 25.5778



15.0024, 16.7207, 22.6867



0.0000, 0.0000, 0.0000



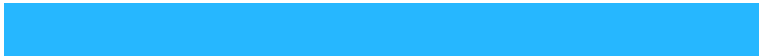
20.3446, 21.4041, 23.3091

Same Dimension

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



30.5244, 36.0664, 76.5876



35.8331, 41.5859, 100.7460



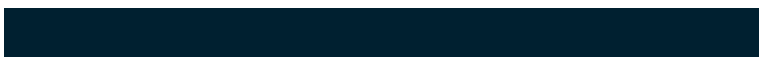
19.8046, 14.6269, 73.0143



13.7140, 14.7672, 17.5152



14.2705, 16.0106, 43.3866



1.0702, 1.2719, 3.0343

Inverse Universe

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



40.3892, 22.7682, 41.2968



50.5091, 26.0895, 47.2820



51.6715, 55.7204, 13.0344



14.0919, 13.8544, 16.2540



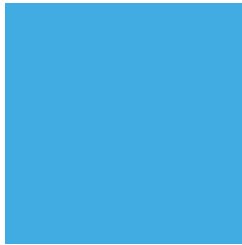
21.1433, 10.5243, 17.9522



1.5064, 0.7459, 1.4598

Previews

White Background



This preview shows how the XYZ color 30.5231, 36.0651, 76.5867 looks on a white background.

Color Contrast Check

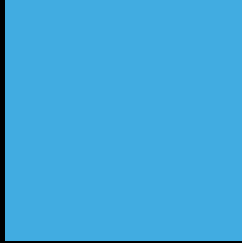
Large Text (above 18pt) WCAG AA × Fail

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 30.5231, 36.0651, 76.5867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

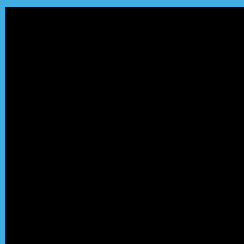
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

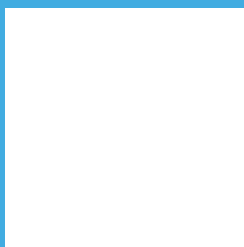
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5231, 36.0651, 76.5867

Background



This preview shows how black text looks on a background with the XYZ color 30.5231, 36.0651, 76.5867.

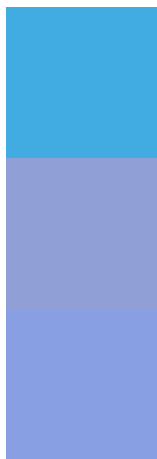


This preview shows how white text looks on a background with the XYZ color 30.5231, 36.0651,

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

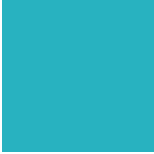
30.5231, 36.0651, 76.5867

Protanopia

36.3409, 35.7223, 69.2697

Deuteranopia

36.5551, 35.6320, 78.3498



Tritanopia

26.3099, 36.0977, 55.4500

Trichromacy



Original Color

30.5231, 36.0651, 76.5867

Protanomaly

33.2641, 35.3784, 72.0933

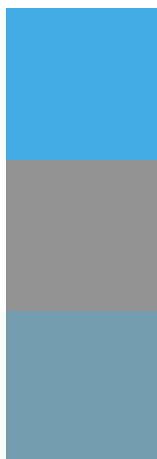
Deuteranomaly

33.5710, 35.4120, 77.7389

Tritanomaly

27.6910, 36.0633, 62.6282

Monochromacy



Original Color

30.5231, 36.0651, 76.5867

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.7953, 30.3197, 44.9975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5231, 36.0651, 76.5867 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, 172, 225)` looks like.

```
.text, #text, p{  
    color:rgb(65, 172, 225)  
}
```

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, 172, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 172, 225) }
```

Border

The CSS property to change the border of an element to XYZ 30.5231, 36.0651, 76.5867 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, 172, 225) }
```


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

```
.border{ border-color:rgb(65, 172, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 172, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 172, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 172, 225);  
box-shadow:4px 4px 4px 4px rgb(65, 172,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5231, 36.0651, 76.5867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 172, 225) }
```

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

```
.background{ background-color: rgb(65, 172,  
225) }
```

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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