

Converting Colors

XYZ(31.0152, 35.4023, 69.0194)

Have a look what the booklet for
XYZ(31.0152, 35.4023, 69.0194)
contains.

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Color

**XYZ(30.9641, 35.3471,
68.8090)**

Conversions

Conversions Part 1

Format	Color
Hex	60A8D6
RGB	96, 168, 214
RGB Percent	38%, 66%, 84%
CMY	0.6235, 0.3412, 0.1608
CMYK	0.55, 0.21, 0.00, 0.16
HSL	203°, 59%, 61%
HSV	203°, 55%, 84%
XYZ	30.9641, 35.3471, 68.8090
YIQ	151.7160, -57.6780, -0.9580

Conversions

Conversions Part 2

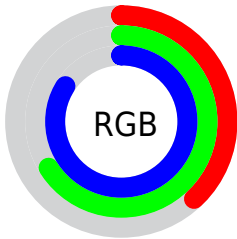
Format	Color
RYB	96, 141, 214
Decimal	6334678
CIELab	66.02, -9.49, -30.22
CIELCh	66, 31.673, 252.574
Yxy	35.3471, 0.2292, 0.2616
Android (android.graphics.Color)	4284524758 (0xFF60A8D6)
YUV	151.7160, 30.7060, -48.8629
Hunter-Lab	59.4534, -11.0784, -27.0025

Details

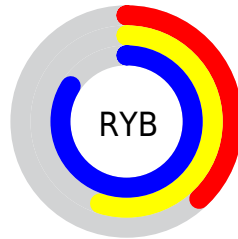
The XYZ color **30.9641, 35.3471, 68.8090** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **39.5171, 34.4882, 15.6418**, and the grayscale version is **29.6136, 31.1558, 33.9287**.

A 20% lighter version of the original color is **57.7641, 66.8654, 104.4696**, and **13.0101, 15.2552, 35.0597** is the 20% darker color. If you saturate the color by 10%, you get **27.5206, 31.3590, 68.2214**, and if you desaturate by 10%, it is **35.1216, 39.8513, 69.4599**.

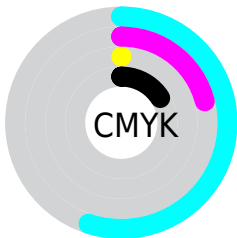
Distribution



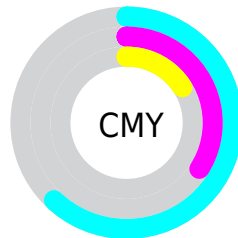
- Red (38%)
- Green (66%)
- Blue (84%)



- Red (38%)
- Yellow (55%)
- Blue (84%)



- Cyan (55%)
- Magenta (21%)
- Yellow (0%)
- Black (16%)



- Cyan (62%)
- Magenta (34%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9641, 35.3471, 68.8090 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 30.9641, 35.3471, 68.8090 by changing the saturation by 10% instead.

■ 30.9641, 35.3471,
68.8090

■ 30.9641, 35.3471,
68.8090

298.2027,
326.0978, 475.0327

■ 20.7232, 23.9304,
50.0854

■ 60.5598, 68.0231,
119.1739

■ 13.0331, 15.2820,
35.1096

■ 80.6453, 90.0512,
151.6522

■ 7.5285, 9.0175,
23.4631

■ 104.7430,
116.3852, 189.5525

■ 3.8440, 4.7526,
14.7273

■ 133.2183,
147.4096, 233.2933

■ 1.6143, 2.1029,
8.4837

166.4366,
183.5086, 283.2932

■ 0.4017, 0.6662,
4.3138

204.7632,

■ 0.0000, 0.0000,

225.0667, 339.9707

1.7990

248.5635,
272.4683, 403.7444

■ 0.0000, 0.0000,
0.4273

■ 0.0000, 0.0000,
0.0000

■ 30.9641, 35.3471,
68.8090

■ 30.9641, 35.3471,
68.8090

■ 27.5206, 31.3590,
68.2214

■ 35.1216, 39.8513,
69.4599

■ 24.7345, 27.8531,
67.6915

■ 40.0365, 44.8947,
70.1744

■ 22.5461, 24.7965,
67.2169

■ 45.7527, 50.5031,
70.9556

■ 20.8808, 22.1479,
66.7934

■ 52.3098, 56.6994,
71.8060

■ 20.1972, 20.9741,
66.6029

■ 59.7443, 63.5050,
72.7278

■ 68.0906, 70.9399,
73.7230

■ 77.3811, 79.0233,
74.7936

■ 83.0123, 85.3843,
75.7246

■ 85.4537, 90.2670,
76.5384

Harmonies

Analogous

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



27.3759, 35.3471, 58.7678



30.9641, 35.3471, 68.8090



35.6008, 35.3471, 69.6470

Triad

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



30.9641, 35.3471, 68.8090



43.2027, 35.3471, 33.1271



27.8501, 35.3471, 22.4115

Complementary

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



30.9641, 35.3471, 68.8090



39.5171, 34.4882, 15.6418

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.



31.6686, 35.3471, 18.3623



30.9641, 35.3471, 68.8090



40.6943, 35.3471, 23.5084

Square

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



30.9641, 35.3471, 68.8090



42.9691, 35.3471, 46.7626



36.3737, 35.3471, 18.7104



25.6965, 35.3471, 31.2503

Rectangle

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



30.9641, 35.3471, 68.8090



38.6962, 35.3471, 64.6516



36.3737, 35.3471, 18.7104



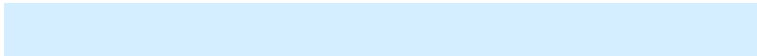
28.9655, 35.3471, 20.5488

Sweetspot

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



30.9653, 35.3484, 68.8099



75.7045, 82.3728, 106.5172



33.6967, 52.5109, 33.6516



15.7696, 17.2235, 22.7433



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.



30.9653, 35.3484, 68.8099



40.2344, 45.7955, 101.3266



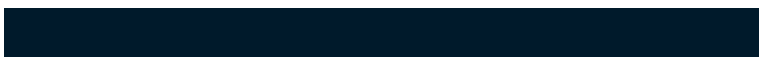
22.5135, 18.4449, 65.9926



12.3669, 13.2572, 15.8446



12.3116, 12.8850, 40.2913



0.8220, 0.9359, 2.4566

Inverse Universe

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



38.9834, 25.4903, 39.9125



53.8518, 31.7190, 51.6511



50.5521, 56.5584, 19.3202



12.7384, 12.5469, 14.5626



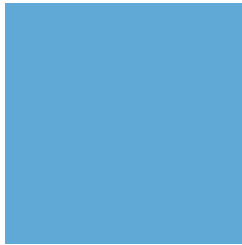
19.2732, 9.6456, 14.0086



1.2025, 0.5978, 1.0559

Previews

White Background



This preview shows how the XYZ color 30.9641, 35.3471, 68.8090 looks on a white background.

Color Contrast Check

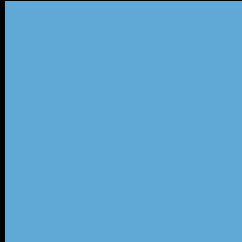
Large Text (above 18pt) WCAG AA × Fail

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 30.9641, 35.3471, 68.8090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

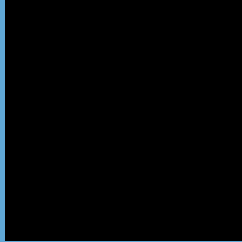
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9641, 35.3471, 68.8090

Background



This preview shows how black text looks on a background with the XYZ color 30.9641, 35.3471, 68.8090.

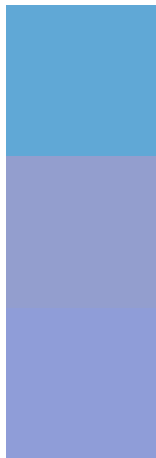


This preview shows how white text looks on a background with the XYZ color 30.9641, 35.3471,

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

30.9641, 35.3471, 68.8090

Protanopia

35.4001, 35.1130, 63.3042

Deuteranopia

35.7793, 34.9114, 69.8186



Tritanopia

27.7510, 35.4534, 52.3943

Trichromacy



Original Color

30.9641, 35.3471, 68.8090

Protanomaly

33.3310, 35.0333, 65.3270

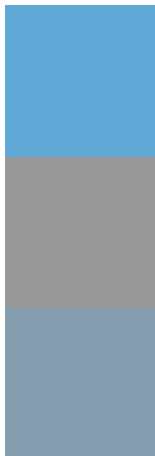
Deuteranomaly

33.6148, 34.8317, 69.2415

Tritanomaly

28.8574, 35.3307, 58.1219

Monochromacy



Original Color

30.9641, 35.3471, 68.8090

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.4804, 32.4544, 45.2680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9641, 35.3471, 68.8090 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(96, 168, 214)` looks like.

```
.text, #text, p{  
    color:rgb(96, 168, 214)  
}
```

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(96, 168, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 168, 214) }
```

Border

The CSS property to change the border of an element to XYZ 30.9641, 35.3471, 68.8090 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(96, 168, 214) }
```


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

```
.border{ border-color:rgb(96, 168, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 168, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 168, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 168, 214);  
box-shadow:4px 4px 4px 4px rgb(96, 168,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9641, 35.3471, 68.8090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 168, 214) }
```

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

```
.background{ background-color: rgb(96, 168,  
214) }
```

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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