

Converting Colors

XYZ(30.2607, 35.0410, 68.5697)

Have a look what the booklet for
XYZ(30.2607, 35.0410, 68.5697)
contains.

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Color

**XYZ(30.2601, 34.9842,
68.7761)**

Conversions

Conversions Part 1

Format	Color
Hex	59A8D6
RGB	89, 168, 214
RGB Percent	35%, 66%, 84%
CMY	0.6510, 0.3412, 0.1608
CMYK	0.58, 0.21, 0.00, 0.16
HSL	202°, 60%, 59%
HSV	202°, 58%, 84%
XYZ	30.2601, 34.9842, 68.7761
YIQ	149.6230, -61.8500, -2.4420

Conversions

Conversions Part 2

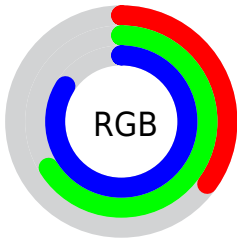
Format	Color
RYB	89, 137, 214
Decimal	5875926
CIELab	65.74, -10.90, -30.68
CIELCh	66, 32.556, 250.442
Yxy	34.9842, 0.2258, 0.2610
Android (android.graphics.Color)	4284066006 (0xFF59A8D6)
YUV	149.6230, 31.7379, -53.1664
Hunter-Lab	59.1474, -12.1866, -27.5387

Details

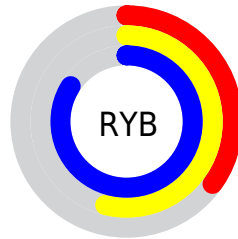
The XYZ color **30.2601, 34.9842, 68.7761** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **38.2000, 32.3470, 13.6829**, and the grayscale version is **28.7198, 30.2155, 32.9047**.

A 20% lighter version of the original color is **56.6504, 66.2913, 104.4174**, and **12.6286, 15.0585, 35.0419** is the 20% darker color. If you saturate the color by 10%, you get **27.0871, 31.2557, 68.2243**, and if you desaturate by 10%, it is **34.1203, 39.1990, 69.3869**.

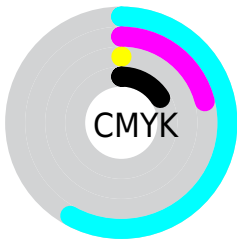
Distribution



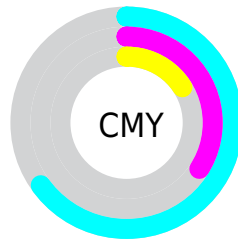
- Red (35%)
- Green (66%)
- Blue (84%)



- Red (35%)
- Yellow (54%)
- Blue (84%)



- Cyan (58%)
- Magenta (21%)
- Yellow (0%)
- Black (16%)



- Cyan (65%)
- Magenta (34%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2601, 34.9842, 68.7761 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 30.2601, 34.9842, 68.7761 by changing the saturation by 10% instead.

■ 30.2601, 34.9842,
68.7761

■ 30.2601, 34.9842,
68.7761

■ 295.0031,
324.4986, 474.9134

■ 20.1851, 23.6507,
50.0588

■ 59.4571, 67.4613,
119.1264

■ 12.6387, 15.0747,
35.0886

■ 79.3098, 89.3737,
151.5965

■ 7.2555, 8.8718,
23.4470

■ 103.1525,
115.5811, 189.4878

■ 3.6702, 4.6577,
14.7155

■ 131.3506,
146.4681, 233.2191

■ 1.5173, 2.0478,
8.4756

■ 164.2693,
182.4189, 283.2087

■ 0.3375, 0.6351,
4.3086

■ 202.2740,

■ 0.0000, 0.0000,

223.8180, 339.8753

1.7961

245.7302,
271.0498, 403.6373

■ 0.0000, 0.0000,
0.4254

■ 0.0000, 0.0000,
0.0000

■ 30.2601, 34.9842,
68.7761

■ 30.2601, 34.9842,
68.7761

■ 27.0871, 31.2557,
68.2243

■ 34.1203, 39.1990,
69.3869

■ 24.5429, 27.9791,
67.7260

■ 38.7125, 43.9236,
70.0568

■ 22.5643, 25.1201,
67.2784

■ 44.0819, 49.1839,
70.7891

■ 21.0553, 22.6269,
66.8767

■ 50.2684, 55.0027,
71.5862

■ 20.8363, 22.2523,
66.8159

■ 57.3093, 61.4014,
72.4502

■ 65.2395, 68.3999,
73.3830

■ 74.0917, 76.0171,
74.3867

■ 81.9551, 83.2698,
75.3722

■ 84.2093, 87.7782,
76.1236

Harmonies

Analogous

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



26.7178, 34.9842, 57.9108



30.2601, 34.9842, 68.7761



34.9502, 34.9842, 70.3990

Triad

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



30.2601, 34.9842, 68.7761



43.1654, 34.9842, 33.5048



27.6233, 34.9842, 21.3257

Complementary

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



30.2601, 34.9842, 68.7761



38.2000, 32.3470, 13.6829

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.



31.6086, 34.9842, 17.5813



30.2601, 34.9842, 68.7761



40.7718, 34.9842, 23.4052

Square

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



30.2601, 34.9842, 68.7761



42.7157, 34.9842, 47.6304



36.4337, 34.9842, 18.2379



25.2998, 34.9842, 29.9202

Rectangle

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



30.2601, 34.9842, 68.7761



38.1439, 34.9842, 65.6859



36.4337, 34.9842, 18.2379



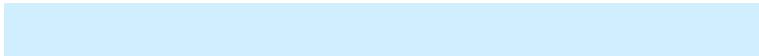
28.7963, 34.9842, 19.5640

Sweetspot

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



30.2613, 34.9855, 68.7770



74.9790, 82.0022, 106.4839



32.5290, 51.9625, 31.1772



15.4403, 16.9874, 22.7151



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.



30.2613, 34.9855, 68.7770



39.3350, 45.3063, 101.2796



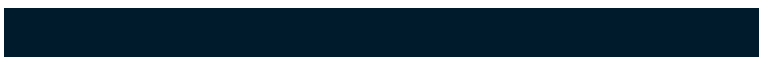
21.3785, 17.2200, 65.8160



12.3902, 13.3037, 15.8524



12.6965, 13.6547, 40.4196



0.8436, 0.9792, 2.4639

Inverse Universe

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



38.3729, 24.2694, 39.7090



53.0782, 30.1857, 51.3503



49.5777, 55.1025, 17.4755



12.7501, 12.5516, 14.6244



19.4674, 9.7233, 15.0315



1.2135, 0.6022, 1.1134

Previews

White Background



This preview shows how the XYZ color 30.2601, 34.9842, 68.7761 looks on a white background.

Color Contrast Check

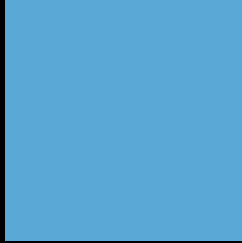
Large Text (above 18pt) WCAG AA × Fail

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 30.2601, 34.9842, 68.7761 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

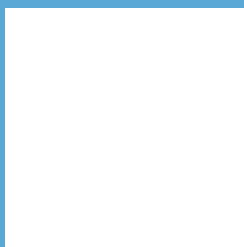
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2601, 34.9842, 68.7761

Background



This preview shows how black text looks on a background with the XYZ color 30.2601, 34.9842, 68.7761.

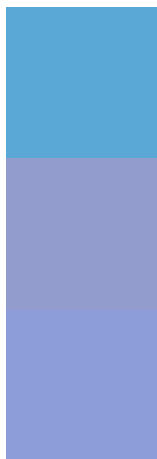


This preview shows how white text looks on a background with the XYZ color 30.2601, 34.9842,

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

30.2601, 34.9842, 68.7761

Protanopia

35.0516, 34.6812, 63.2392

Deuteranopia

35.5659, 34.7864, 70.4856



Tritanopia

27.0551, 35.0947, 52.3617

Trichromacy



Original Color

30.2601, 34.9842, 68.7761

Protanomaly

32.7109, 34.4532, 65.2477

Deuteranomaly

33.1656, 34.5852, 69.8933

Tritanomaly

28.1206, 34.9509, 58.0874

Monochromacy



Original Color

30.2601, 34.9842, 68.7761

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.5019, 31.7203, 44.1556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2601, 34.9842, 68.7761 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(89, 168, 214)` looks like.

```
.text, #text, p{  
    color:rgb(89, 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(89, 168, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 168, 214) }
```

Border

The CSS property to change the border of an element to XYZ 30.2601, 34.9842, 68.7761 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(89, 168, 214) }
```


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

```
.border{ border-color:rgb(89, 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(89, 168, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 168, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 168, 214);  
box-shadow:4px 4px 4px 4px rgb(89, 168,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2601, 34.9842, 68.7761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 168, 214) }
```

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

```
.background{ background-color: rgb(89, 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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