

Converting Colors

XYZ(30.8927, 36.5941, 61.3123)

Have a look what the booklet for
XYZ(30.8927, 36.5941, 61.3123)
contains.

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Color

**XYZ(30.8927, 36.5941,
61.3123)**

Conversions

Conversions Part 1

Format	Color
Hex	66ACCA
RGB	102, 172, 202
RGB Percent	40%, 67%, 79%
CMY	0.6000, 0.3255, 0.2078
CMYK	0.50, 0.15, 0.00, 0.21
HSL	198°, 49%, 60%
HSV	198°, 50%, 79%
XYZ	30.8927, 36.5941, 61.3123
YIQ	154.4900, -51.3500, -5.5100

Conversions

Conversions Part 2

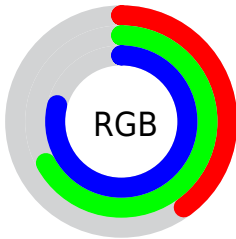
Format	Color
RYB	102, 143, 202
Decimal	6728906
CIELab	66.97, -13.86, -22.10
CIElCh	67, 26.087, 237.909
Yxy	36.5941, 0.2399, 0.2841
Android (android.graphics.Color)	4284918986 (0xFF66ACCA)
YUV	154.4900, 23.4224, -46.0337
Hunter-Lab	60.4931, -14.7062, -17.7478

Details

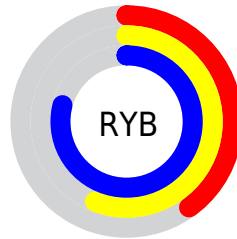
The XYZ color **30.8927, 36.5941, 61.3123** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **35.0076, 30.0195, 16.5208**, and the grayscale version is **30.8479, 32.4544, 35.3429**.

A 20% lighter version of the original color is **59.6196, 69.4273, 104.8663**, and **13.0580, 16.0847, 30.4334** is the 20% darker color. If you saturate the color by 10%, you get **27.7493, 33.3011, 60.8430**, and if you desaturate by 10%, it is **34.6487, 40.2826, 61.8270**.

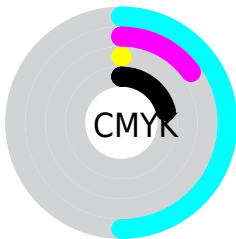
Distribution



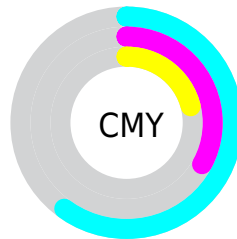
- Red (40%)
- Green (67%)
- Blue (79%)



- Red (40%)
- Yellow (56%)
- Blue (79%)



- Cyan (50%)
- Magenta (15%)
- Yellow (0%)
- Black (21%)



- Cyan (60%)
- Magenta (33%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8927, 36.5941, 61.3123 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 30.8927, 36.5941, 61.3123 by changing the saturation by 10% instead.

■ 30.8927, 36.5941,
61.3123

■ 30.8927, 36.5941,
61.3123

297.8794,
331.5498, 447.3564

■ 20.6686, 24.8934,
44.0451

■ 60.4481, 69.9481,
108.2929

■ 12.9930, 15.9976,
30.3685

■ 80.5101, 92.3701,
138.8434

■ 7.5007, 9.5225,
19.8640

■ 104.5821,
119.1347, 174.6587

■ 3.8263, 5.0835,
12.1131

■ 133.0294,
150.6262, 216.1573

■ 1.6043, 2.2963,
6.6973

166.2174,
187.2291, 263.7579

■ 0.3952, 0.7718,
3.1980

204.5116,

■ 0.0000, 0.0000,

229.3278, 317.8789

1.1966

248.2771,
277.3065, 378.9389

■ 0.0000, 0.0000,
0.0000

■ 30.8927, 36.5941,
61.3123

■ 30.8927, 36.5941,
61.3123

■ 27.7493, 33.3011,
60.8430

■ 34.6487, 40.2826,
61.8270

■ 25.1732, 30.3768,
60.4143

■ 39.0517, 44.3829,
62.3863

■ 23.1179, 27.7969,
60.0247

■ 44.1373, 48.9153,
62.9931

■ 21.5272, 25.5316,
59.6713

■ 49.9376, 53.8970,
63.6490

■ 20.3023, 23.5286,
59.3492

■ 56.4824, 59.3447,
64.3555

■ 20.2451, 23.4328,
59.3338

■ 63.7999, 65.2736,
65.1143

■ 71.9166, 71.6984,
65.9266

■ 77.6207, 76.9642,
66.6423

■ 79.2448, 80.2123,
67.1837

Harmonies

Analogous

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



28.4798, 36.5941, 50.9435



30.8927, 36.5941, 61.3123



34.5047, 36.5941, 65.8392

Triad

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



30.8927, 36.5941, 61.3123



42.9557, 36.5941, 40.6453



31.3392, 36.5941, 23.5194

Complementary

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



30.8927, 36.5941, 61.3123



35.0076, 30.0195, 16.5208

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.



35.0600, 36.5941, 21.7898



30.8927, 36.5941, 61.3123



41.9504, 36.5941, 30.4878

Square

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



30.8927, 36.5941, 61.3123



41.6366, 36.5941, 52.5834



38.9839, 36.5941, 24.0835



28.7236, 36.5941, 29.3500

Rectangle

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



30.8927, 36.5941, 61.3123



37.1750, 36.5941, 64.3939



38.9839, 36.5941, 24.0835



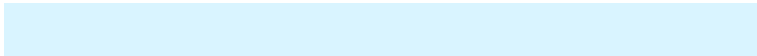
32.4932, 36.5941, 22.4939

Sweetspot

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



30.8939, 36.5955, 61.3132



78.7990, 86.3494, 107.1217



30.6527, 46.6874, 28.6339



16.4271, 18.1028, 22.8783



0.0000, 0.0000, 0.0000



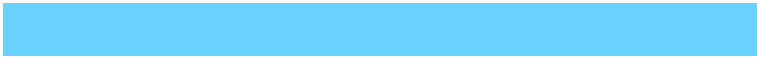
20.3446, 21.4041, 23.3091

Same Dimension

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



30.8939, 36.5955, 61.3132



46.8365, 56.2231, 102.9913



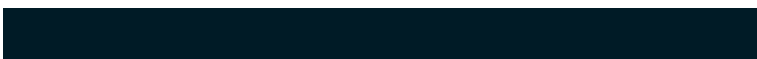
23.3073, 21.4222, 58.7843



11.2481, 12.1367, 14.3201



13.1084, 15.2408, 38.2071



0.7407, 0.9152, 1.9925

Inverse Universe

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



36.5559, 25.0390, 41.9374



57.8620, 35.9182, 64.7684



43.1450, 46.2942, 19.2333



11.5386, 11.3442, 13.3709



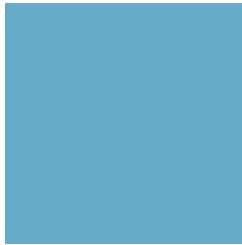
18.8274, 9.3416, 17.3417



1.0038, 0.4949, 1.0660

Previews

White Background



This preview shows how the XYZ color 30.8927, 36.5941, 61.3123 looks on a white background.

Color Contrast Check

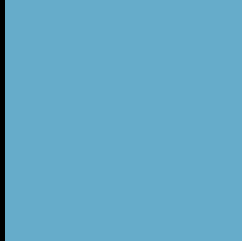
Large Text (above 18pt) WCAG AA × Fail

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 30.8927, 36.5941, 61.3123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

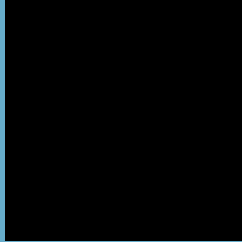
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.8927, 36.5941, 61.3123

Background



This preview shows how black text looks on a background with the XYZ color 30.8927, 36.5941, 61.3123.

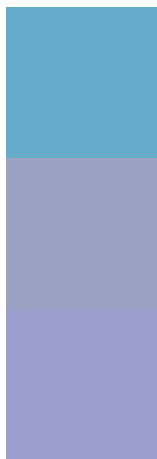


This preview shows how white text looks on a background with the XYZ color 30.8927, 36.5941,

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

30.8927, 36.5941, 61.3123

Protanopia

36.0000, 36.3533, 56.1584

Deuteranopia

37.1279, 36.2720, 62.8019



Tritanopia

29.2502, 36.4996, 53.0804

Trichromacy



Original Color

30.8927, 36.5941, 61.3123

Protanomaly

33.6865, 36.1757, 58.0305

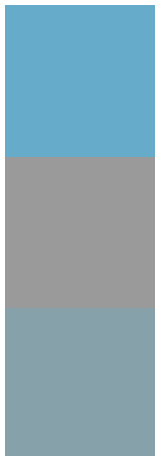
Deuteranomaly

34.3279, 36.1448, 62.2941

Tritanomaly

29.7148, 36.3900, 55.9099

Monochromacy



Original Color

30.8927, 36.5941, 61.3123

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.0872, 33.5809, 43.4241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8927, 36.5941, 61.3123 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(102, 172, 202)` looks like.

```
.text, #text, p{  
    color:rgb(102, 172, 202)  
}
```

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(102, 172, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 172, 202) }
```

Border

The CSS property to change the border of an element to XYZ 30.8927, 36.5941, 61.3123 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(102, 172, 202) }
```


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

```
.border{ border-color:rgb(102, 172, 202) }
```

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

Here you see how a box with a 4 pixel rgb(102, 172, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 172, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 172, 202);  
box-shadow:4px 4px 4px 4px rgb(102, 172,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8927, 36.5941, 61.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 172, 202) }
```

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

```
.background{ background-color: rgb(102,  
172, 202) }
```

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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