

Converting Colors

XYZ(29.9784, 34.3740, 62.1825)

Have a look what the booklet for
XYZ(29.9784, 34.3740, 62.1825)
contains.

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Color

**XYZ(30.0148, 34.4569,
62.1956)**

Conversions

Conversions Part 1

Format	Color
Hex	66A6CC
RGB	102, 166, 204
RGB Percent	40%, 65%, 80%
CMY	0.6000, 0.3490, 0.2000
CMYK	0.50, 0.19, 0.00, 0.20
HSL	202°, 50%, 60%
HSV	202°, 50%, 80%
XYZ	30.0148, 34.4569, 62.1956
YIQ	151.1960, -50.3420, -1.7500

Conversions

Conversions Part 2

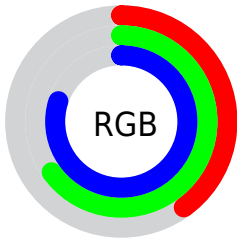
Format	Color
R _{YB}	102, 141, 204
Decimal	6727372
CIE _{Lab}	65.32, -10.04, -25.73
CIE _{LCh}	65, 27.622, 248.677
Y _{xy}	34.4569, 0.2370, 0.2720
Android (android.graphics.Color)	4284917452 (0xFF66A6CC)
YUV	151.1960, 26.0324, -43.1449
Hunter-Lab	58.7000, -11.4534, -21.7307

Details

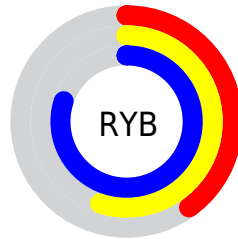
The XYZ color **30.0148, 34.4569, 62.1956** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.6791, 32.5539, 16.9219**, and the grayscale version is **29.4078, 30.9393, 33.6929**.

A 20% lighter version of the original color is **58.0070, 66.2020, 104.3287**, and **12.5186, 14.7502, 31.0414** is the 20% darker color. If you saturate the color by 10%, you get **26.6403, 30.7272, 61.6542**, and if you desaturate by 10%, it is **34.0421, 38.6457, 62.7925**.

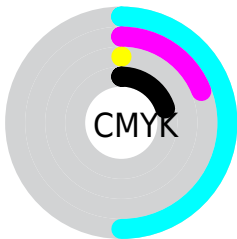
Distribution



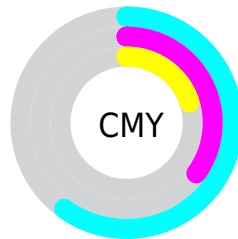
- Red (40%)
- Green (65%)
- Blue (80%)



- Red (40%)
- Yellow (55%)
- Blue (80%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (35%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0148, 34.4569, 62.1956 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 30.0148, 34.4569, 62.1956 by changing the saturation by 10% instead.

■ 30.0148, 34.4569,
62.1956

■ 30.0148, 34.4569,
62.1956

■ 293.8820,
322.1646, 450.6715

■ 19.9979, 23.2448,
44.7540

■ 59.0720, 66.6436,
109.5825

■ 12.5018, 14.7744,
30.9221

■ 78.8432, 88.3869,
140.3649

■ 7.1610, 8.6612,
20.2816

■ 102.5964,
114.4095, 176.4312

■ 3.6102, 4.5209,
12.4138

■ 130.6971,
145.0957, 218.2001

■ 1.4841, 1.9690,
6.9002

■ 163.5107,
180.8299, 266.0900

■ 0.3150, 0.5894,
3.3223

■ 201.4025,

■ 0.0000, 0.0000,

221.9966, 320.5195

1.2614

244.7378,
268.9800, 381.9072

■ 0.0000, 0.0000,
0.0299

■ 0.0000, 0.0000,
0.0000

■ 30.0148, 34.4569,
62.1956

■ 30.0148, 34.4569,
62.1956

■ 26.6403, 30.7272,
61.6542

■ 34.0421, 38.6457,
62.7925

■ 23.8712, 27.4281,
61.1633

■ 38.7582, 43.3121,
63.4446

■ 21.6588, 24.5330,
60.7211

■ 44.2006, 48.4782,
64.1549

■ 19.9443, 22.0094,
60.3244

■ 50.4027, 54.1630,
64.9253

■ 18.6188, 19.7989,
59.9676

■ 57.3959, 60.3847,
65.7577

■ 18.6186, 19.7984,
59.9675

■ 65.2096, 67.1602,
66.6536

■ 73.8718, 74.5058,
67.6149

■ 79.5542, 80.4497,
68.4627

■ 81.6767, 84.6946,
69.1702

Harmonies

Analogous

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



27.0702, 34.4569, 53.1502



30.0148, 34.4569, 62.1956



33.9322, 34.4569, 63.9832

Triad

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



30.0148, 34.4569, 62.1956



41.0156, 34.4569, 34.2712



28.1463, 34.4569, 22.7331

Complementary

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



30.0148, 34.4569, 62.1956



36.6791, 32.5539, 16.9219

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.



31.5961, 34.4569, 19.5898



30.0148, 34.4569, 62.1956



39.1740, 34.4569, 25.2970

Square

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



30.0148, 34.4569, 62.1956



40.5049, 34.4569, 46.1721



35.6470, 34.4569, 20.4210



26.0545, 34.4569, 30.0186

Rectangle

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



30.0148, 34.4569, 62.1956



36.6078, 34.4569, 60.5274



35.6470, 34.4569, 20.4210



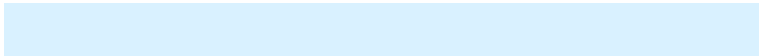
29.1737, 34.4569, 21.2327

Sweetspot

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



30.0159, 34.4582, 62.1964



77.9724, 84.6962, 106.8462



31.7628, 47.8871, 32.1499



16.2273, 17.7032, 22.8117



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.



30.0159, 34.4582, 62.1964



43.7237, 50.4333, 102.0379



22.5791, 19.5844, 59.7175



11.1784, 11.9972, 14.2969



11.8104, 12.6448, 37.7745



0.6805, 0.7948, 1.9725

Inverse Universe

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



36.5371, 25.0944, 38.9957



56.1845, 34.8400, 57.1901



45.8011, 50.7980, 19.9626



11.5034, 11.3301, 13.1855



18.1723, 9.0795, 13.8917



0.9734, 0.4828, 0.9060

Previews

White Background



This preview shows how the XYZ color 30.0148, 34.4569, 62.1956 looks on a white background.

Color Contrast Check

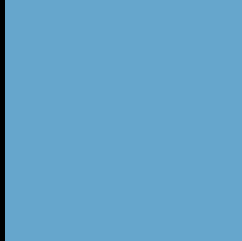
Large Text (above 18pt) WCAG AA × Fail

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 30.0148, 34.4569, 62.1956 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 30.0148, 34.4569, 62.1956

Background



This preview shows how black text looks on a background with the XYZ color 30.0148, 34.4569, 62.1956.

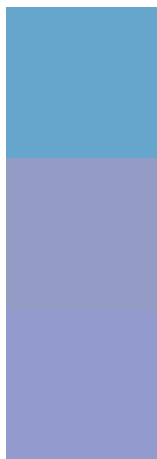


This preview shows how white text looks on a background with the XYZ color 30.0148, 34.4569,

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

30.0148, 34.4569, 62.1956

Protanopia

34.1793, 34.1041, 57.6046

Deuteranopia

34.8945, 34.1020, 63.1357



Tritanopia

27.6413, 34.6012, 50.0216

Trichromacy



Original Color

30.0148, 34.4569, 62.1956

Protanomaly

32.3562, 34.1370, 59.5273

Deuteranomaly

32.7777, 34.0293, 62.5984

Tritanomaly

28.6289, 34.7342, 54.4857

Monochromacy



Original Color

30.0148, 34.4569, 62.1956

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.8170, 31.6658, 42.6235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0148, 34.4569, 62.1956 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, 166, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 166, 204)  
}
```

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, 166, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 166, 204) }
```

Border

The CSS property to change the border of an element to XYZ 30.0148, 34.4569, 62.1956 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, 166, 204) }
```


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

```
.border{ border-color:rgb(102, 166, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 166, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 166, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 166, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 166,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0148, 34.4569, 62.1956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 166, 204) }
```

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

```
.background{ background-color: rgb(102,  
166, 204) }
```

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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