

Converting Colors

XYZ(31.1194, 35.7132, 65.5476)

Have a look what the booklet for
XYZ(31.1194, 35.7132, 65.5476)
contains.

XYZ(31.1761, 35.8042, 65.5893)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.1761, 35.8042,
65.5893)**

Conversions

Conversions Part 1

Format	Color
Hex	66A9D1
RGB	102, 169, 209
RGB Percent	40%, 66%, 82%
CMY	0.6000, 0.3372, 0.1804
CMYK	0.51, 0.19, 0.00, 0.18
HSL	202°, 54%, 61%
HSV	202°, 51%, 82%
XYZ	31.1761, 35.8042, 65.5893
YIQ	153.5270, -52.7720, -1.7640

Conversions

Conversions Part 2

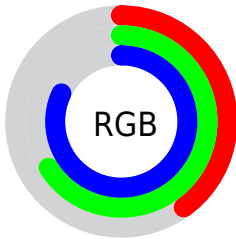
Format	Color
R _{YB}	102, 143, 209
Decimal	6728145
CIE _{Lab}	66.37, -10.22, -26.89
CIE _{LCh}	66, 28.768, 249.193
Yxy	35.8042, 0.2352, 0.2701
Android (android.graphics.Color)	4284918225 (0xFF66A9D1)
YUV	153.5270, 27.3482, -45.1892
Hunter-Lab	59.8366, -11.7119, -23.1045

Details

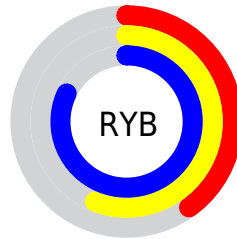
The XYZ color **31.1761, 35.8042, 65.5893** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.3668, 33.8618, 17.0855**, and the grayscale version is **30.4100, 31.9937, 34.8411**.

A 20% lighter version of the original color is **59.0037, 67.9022, 104.6044**, and **13.1085, 15.5271, 32.8780** is the 20% darker color. If you saturate the color by 10%, you get **27.6891, 31.9136, 65.0228**, and if you desaturate by 10%, it is **35.3493, 40.1790, 66.2144**.

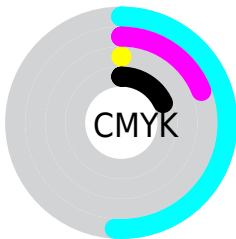
Distribution



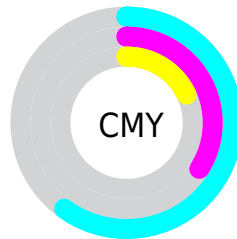
- Red (40%)
- Green (66%)
- Blue (82%)



- Red (40%)
- Yellow (56%)
- Blue (82%)



- Cyan (51%)
- Magenta (19%)
- Yellow (0%)
- Black (18%)



- Cyan (60%)
- Magenta (34%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1761, 35.8042, 65.5893 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 31.1761, 35.8042, 65.5893 by changing the saturation by 10% instead.

■ 31.1761, 35.8042,
65.5893

■ 31.1761, 35.8042,
65.5893

299.1612,
328.1039, 463.2707

■ 20.8855, 24.2830,
47.4847

■ 60.8912, 68.7297,
114.5180

■ 13.1523, 15.5437,
33.0619

■ 81.0463, 90.9029,
146.1793

■ 7.6112, 9.2018,
21.9024

■ 105.2204,
117.3955, 183.1965

■ 3.8969, 4.8731,
13.5876

■ 133.7786,
148.5919, 225.9881

■ 1.6440, 2.1730,
7.6989

167.0865,
184.8766, 274.9729

■ 0.4208, 0.7052,
3.8179

205.5093,

■ 0.0000, 0.0000,

226.6339, 330.5692

1.5260

249.4124,
274.2482, 393.1956

■ 0.0000, 0.0000,
0.2372

■ 0.0000, 0.0000,
0.0000

■ 31.1761, 35.8042,
65.5893

■ 31.1761, 35.8042,
65.5893

■ 27.6891, 31.9136,
65.0228

■ 35.3493, 40.1790,
66.2144

■ 24.8376, 28.4765,
64.5097

■ 40.2478, 45.0581,
66.8980

■ 22.5688, 25.4643,
64.0478

■ 45.9114, 50.4649,
67.6431

■ 20.8185, 22.8415,
63.6338

■ 52.3761, 56.4200,
68.4519

■ 19.6076, 20.8013,
63.3038

■ 59.6754, 62.9428,
69.3262

■ 67.8408, 70.0513,
70.2679

■ 76.9022, 77.7630,
71.2788

■ 81.4669, 83.2997,
72.1069

■ 83.7091, 87.7843,
72.8543

Harmonies

Analogous

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



28.0138, 35.8042, 55.9545



31.1761, 35.8042, 65.5893



35.3696, 35.8042, 67.3601

Triad

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



31.1761, 35.8042, 65.5893



42.8675, 35.8042, 35.3208



29.0663, 35.8042, 23.3552

Complementary

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



31.1761, 35.8042, 65.5893



38.3668, 33.8618, 17.0855

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.



32.7262, 35.8042, 19.9626



31.1761, 35.8042, 65.5893



40.8531, 35.8042, 25.8480

Square

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



31.1761, 35.8042, 65.5893



42.3642, 35.8042, 48.0204



37.0547, 35.8042, 20.7673



26.8689, 35.8042, 31.1601

Rectangle

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



31.1761, 35.8042, 65.5893



38.2273, 35.8042, 63.5398



37.0547, 35.8042, 20.7673



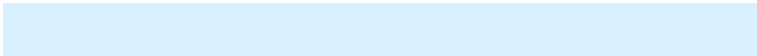
30.1533, 35.8042, 21.7444

Sweetspot

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



31.1773, 35.8055, 65.5902



77.9579, 84.6672, 106.8413



33.1061, 50.3566, 33.2667



16.2238, 17.6962, 22.8106



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.



31.1773, 35.8055, 65.5902



43.1773, 49.7629, 101.9372



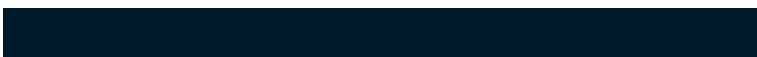
23.2655, 19.9820, 62.9529



11.7715, 12.6333, 15.0617



12.1867, 13.0200, 39.0633



0.7562, 0.8776, 2.2091

Inverse Universe

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



38.2083, 25.9239, 40.5275



55.8055, 34.2936, 56.4118



48.1490, 53.4263, 20.3463



12.1156, 11.9310, 13.8844



18.7820, 9.3856, 14.2901



1.0879, 0.5399, 0.9979

Previews

White Background



This preview shows how the XYZ color 31.1761, 35.8042, 65.5893 looks on a white background.

Color Contrast Check

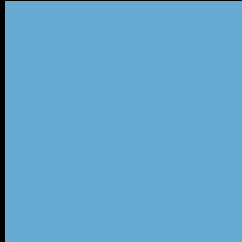
Large Text (above 18pt) WCAG AA × Fail

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 31.1761, 35.8042, 65.5893 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 31.1761, 35.8042, 65.5893

Background



This preview shows how black text looks on a background with the XYZ color 31.1761, 35.8042, 65.5893.



This preview shows how white text looks on a background with the XYZ color 31.1761, 35.8042,

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

31.1761, 35.8042, 65.5893

Protanopia

35.6365, 35.5446, 60.8597

Deuteranopia

36.3792, 35.5464, 66.5718



Tritanopia

28.5293, 35.8547, 52.4307

Trichromacy



Original Color

31.1761, 35.8042, 65.5893

Protanomaly

33.7895, 35.5887, 62.8460

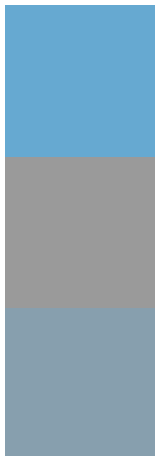
Deuteranomaly

34.0689, 35.3993, 66.0099

Tritanomaly

29.5326, 35.9866, 57.0193

Monochromacy



Original Color

31.1761, 35.8042, 65.5893

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.0298, 33.0032, 44.8319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1761, 35.8042, 65.5893 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, 169, 209)` looks like.

```
.text, #text, p{  
    color:rgb(102, 169, 209)  
}
```

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, 169, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 169, 209) }
```

Border

The CSS property to change the border of an element to XYZ 31.1761, 35.8042, 65.5893 is called "border". The border property can be set on classes, ids or directly on the HTML element.

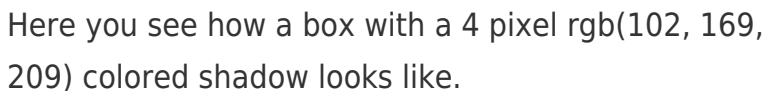
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 169, 209) }
```


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

```
.border{ border-color:rgb(102, 169, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 169, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 169, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 169, 209);  
box-shadow:4px 4px 4px 4px rgb(102, 169,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1761, 35.8042, 65.5893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 169, 209) }
```

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

```
.background{ background-color: rgb(102,  
169, 209) }
```

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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