

Converting Colors

XYZ(31.4827, 35.9688, 65.6677)

Have a look what the booklet for
XYZ(31.4827, 35.9688, 65.6677)
contains.

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Color

**XYZ(31.5223, 35.9826,
65.6055)**

Conversions

Conversions Part 1

Format	Color
Hex	69A9D1
RGB	105, 169, 209
RGB Percent	41%, 66%, 82%
CMY	0.5882, 0.3372, 0.1804
CMYK	0.50, 0.19, 0.00, 0.18
HSL	203°, 53%, 62%
HSV	203°, 50%, 82%
XYZ	31.5223, 35.9826, 65.6055
YIQ	154.4240, -50.9840, -1.1280

Conversions

Conversions Part 2

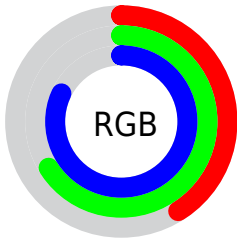
Format	Color
RYB	105, 145, 209
Decimal	6924753
CIELab	66.51, -9.54, -26.67
CIELCh	67, 28.324, 250.326
Yxy	35.9826, 0.2368, 0.2703
Android (android.graphics.Color)	4285114833 (0xFF69A9D1)
YUV	154.4240, 26.9060, -43.3448
Hunter-Lab	59.9855, -11.1731, -22.8550

Details

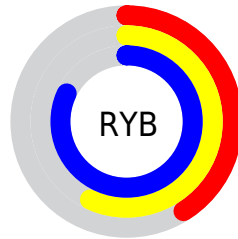
The XYZ color **31.5223, 35.9826, 65.6055** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.9708, 34.8274, 18.0344**, and the grayscale version is **30.8040, 32.4082, 35.2925**.

A 20% lighter version of the original color is **59.6059, 68.2127, 104.6325**, and **13.3207, 15.6365, 32.8879** is the 20% darker color. If you saturate the color by 10%, you get **27.9129, 31.9703, 65.0220**, and if you desaturate by 10%, it is **35.8292, 40.4924, 66.2496**.

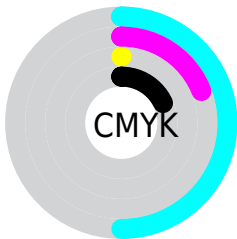
Distribution



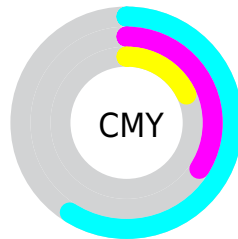
- Red (41%)
- Green (66%)
- Blue (82%)



- Red (41%)
- Yellow (57%)
- Blue (82%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (18%)



- Cyan (59%)
- Magenta (34%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5223, 35.9826, 65.6055 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 31.5223, 35.9826, 65.6055 by changing the saturation by 10% instead.

■ 31.5223, 35.9826,
65.6055

■ 31.5223, 35.9826,
65.6055

300.7215,
328.8845, 463.3303

■ 21.1507, 24.4208,
47.4978

■ 61.4317, 69.0052,
114.5415

■ 13.3473, 15.6460,
33.0722

■ 81.7002, 91.2348,
146.2069

■ 7.7468, 9.2740,
21.9102

■ 105.9984,
117.7890, 183.2286

■ 3.9838, 4.9203,
13.5932

■ 134.6915,
149.0524, 226.0251

■ 1.6930, 2.2006,
7.7028

168.1451,
185.4092, 275.0150

■ 0.4519, 0.7203,
3.8203

206.7243,

■ 0.0000, 0.0000,

227.2439, 330.6168

1.5273

250.7947,
274.9408, 393.2491

■ 0.0000, 0.0000,
0.2381

■ 0.0000, 0.0000,
0.0000

■ 31.5223, 35.9826,
65.6055

■ 31.5223, 35.9826,
65.6055

■ 27.9129, 31.9703,
65.0220

■ 35.8292, 40.4924,
66.2496

■ 24.9508, 28.4251,
64.4938

■ 40.8721, 45.5198,
66.9542

■ 22.5842, 25.3185,
64.0189

■ 46.6906, 51.0882,
67.7224

■ 20.7508, 22.6156,
63.5938

■ 53.3205, 57.2183,
68.5562

■ 19.3403, 20.2572,
63.2129

■ 60.7949, 63.9294,
69.4576

■ 19.3085, 20.2030,
63.2041

■ 69.1454, 71.2399,
70.4286

■ 78.4015, 79.1673,
71.4708

■ 81.9757, 84.3174,
72.2765

■ 84.3075, 88.9810,
73.0538

Harmonies

Analogous

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



28.3411, 35.9826, 56.3589



31.5223, 35.9826, 65.6055



35.6861, 35.9826, 67.0075

Triad

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



31.5223, 35.9826, 65.6055



42.8861, 35.9826, 35.1321



29.1801, 35.9826, 23.9083

Complementary

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



31.5223, 35.9826, 65.6055



38.9708, 34.8274, 18.0344

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.



32.7565, 35.9826, 20.3706



31.5223, 35.9826, 65.6055



40.8162, 35.9826, 25.9018

Square

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



31.5223, 35.9826, 65.6055



42.4865, 35.9826, 47.5981



37.0260, 35.9826, 21.0156



27.0684, 35.9826, 31.8161

Rectangle

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



31.5223, 35.9826, 65.6055



38.4945, 35.9826, 63.0505



37.0260, 35.9826, 21.0156



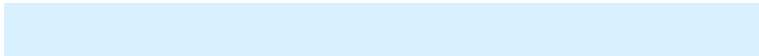
30.2381, 35.9826, 22.2511

Sweetspot

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



31.5235, 35.9839, 65.6064



77.8361, 84.4236, 106.8007



33.7278, 50.6453, 34.7335



16.1944, 17.6374, 22.8008



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.



31.5235, 35.9839, 65.6064



43.3041, 49.5940, 101.8980



23.7124, 20.3618, 63.0027



11.7606, 12.6115, 15.0581



12.0029, 12.6524, 39.0020



0.7467, 0.8586, 2.2059

Inverse Universe

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



38.5085, 26.5243, 40.6274



55.9727, 34.7553, 56.0747



48.7812, 54.4481, 21.3045



12.1101, 11.9288, 13.8554



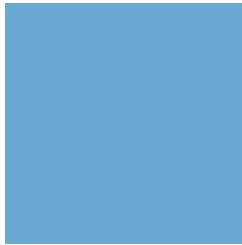
18.6893, 9.3485, 13.8017



1.0831, 0.5380, 0.9726

Previews

White Background



This preview shows how the XYZ color 31.5223, 35.9826, 65.6055 looks on a white background.

Color Contrast Check

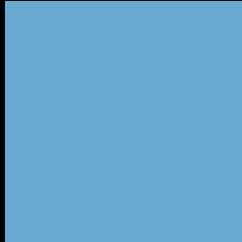
Large Text (above 18pt) WCAG AA × Fail

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 31.5223, 35.9826, 65.6055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

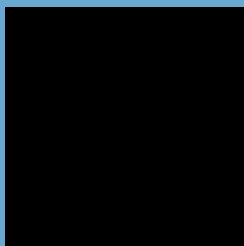
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

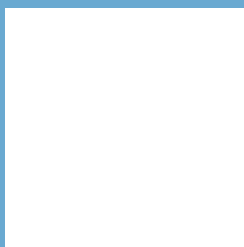
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5223, 35.9826, 65.6055

Background



This preview shows how black text looks on a background with the XYZ color 31.5223, 35.9826, 65.6055.

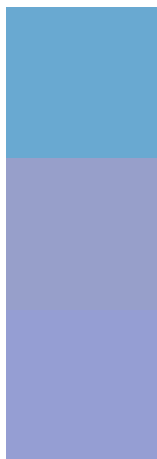


This preview shows how white text looks on a background with the XYZ color 31.5223, 35.9826,

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

31.5223, 35.9826, 65.6055

Protanopia

35.8213, 35.6399, 60.8683

Deuteranopia

36.3792, 35.5464, 66.5718



Tritanopia

28.9502, 36.0717, 52.4504

Trichromacy



Original Color

31.5223, 35.9826, 65.6055

Protanomaly

33.9482, 35.6705, 62.8534

Deuteranomaly

34.2261, 35.4803, 66.0173

Tritanomaly

29.9697, 36.2119, 57.0398

Monochromacy



Original Color

31.5223, 35.9826, 65.6055

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.1915, 33.0865, 44.8395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5223, 35.9826, 65.6055 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(105, 169, 209)` looks like.

```
.text, #text, p{  
    color:rgb(105, 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(105, 169, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 169, 209) }
```

Border

The CSS property to change the border of an element to XYZ 31.5223, 35.9826, 65.6055 is called "border". The border property can be set on classes, ids or directly on the HTML element.

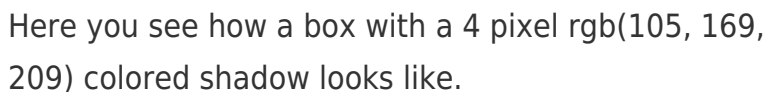
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 169, 209) }
```


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

```
.border{ border-color:rgb(105, 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(105, 169, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 169, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 169, 209); box-shadow:4px 4px 4px 4px rgb(105, 169, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5223, 35.9826, 65.6055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 169, 209) }
```

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

```
.background{ background-color: rgb(105,  
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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