

Converting Colors

XYZ(32.9031, 38.3904, 65.9976)

Have a look what the booklet for
XYZ(32.9031, 38.3904, 65.9976)
contains.

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Color

**XYZ(32.9020, 38.3892,
65.9973)**

Conversions

Conversions Part 1

Format	Color
Hex	6BAFD1
RGB	107, 175, 209
RGB Percent	42%, 69%, 82%
CMY	0.5804, 0.3137, 0.1804
CMYK	0.49, 0.16, 0.00, 0.18
HSL	200°, 53%, 62%
HSV	200°, 49%, 82%
XYZ	32.9020, 38.3892, 65.9973
YIQ	158.5440, -51.4420, -3.8420

Conversions

Conversions Part 2

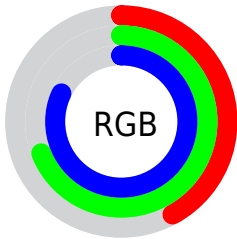
Format	Color
R _{YB}	107, 148, 209
Decimal	7057361
CIE _{Lab}	68.31, -12.32, -23.90
CIE _{LCh}	68, 26.890, 242.739
Y _{xy}	38.3892, 0.2397, 0.2796
Android (android.graphics.Color)	4285247441 (0xFF6BAFD1)
YUV	158.5440, 24.8748, -45.2041
Hunter-Lab	61.9590, -13.6397, -19.7830

Details

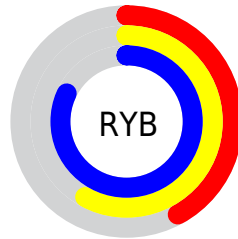
The XYZ color **32.9020, 38.3892, 65.9973** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **38.4742, 33.6677, 18.3819**, and the grayscale version is **32.6548, 34.3554, 37.4130**.

A 20% lighter version of the original color is **61.9358, 72.2643, 105.2918**, and **14.1346, 17.1274, 33.1328** is the 20% darker color. If you saturate the color by 10%, you get **29.3655, 34.6056, 65.4541**, and if you desaturate by 10%, it is **37.1182, 42.6287, 66.5941**.

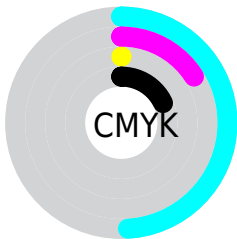
Distribution



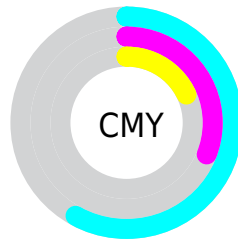
- Red (42%)
- Green (69%)
- Blue (82%)



- Red (42%)
- Yellow (58%)
- Blue (82%)



- Cyan (49%)
- Magenta (16%)
- Yellow (0%)
- Black (18%)



- Cyan (58%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9020, 38.3892, 65.9973 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 32.9020, 38.3892, 65.9973 by changing the saturation by 10% instead.

■ 32.9020, 38.3892,
65.9973

■ 32.9020, 38.3892,
65.9973

306.8807,
339.2866, 464.7712

■ 22.2103, 26.2849,
47.8137

■ 63.5782, 72.7043,
115.1094

■ 14.1289, 17.0369,
33.3205

■ 84.2934, 95.6839,
146.8751

■ 8.2927, 10.2608,
22.0989

■ 109.0804,
123.0573, 184.0052

■ 4.3362, 5.5722,
13.7306

■ 138.3046,
155.2090, 226.9182

■ 1.8940, 2.5868,
7.7969

172.3314,
192.5234, 276.0328

■ 0.5734, 0.9200,
3.8794

211.5261,

■ 0.0000, 0.0000,

235.3849, 331.7675

1.5594

256.2541,
284.1778, 394.5408

■ 0.0000, 0.0000,
0.2616

■ 0.0000, 0.0000,
0.0000

■ 32.9020, 38.3892,
65.9973

■ 32.9020, 38.3892,
65.9973

■ 29.3655, 34.6056,
65.4541

■ 37.1182, 42.6287,
66.5941

■ 26.4593, 31.2484,
64.9593

■ 42.0514, 47.3424,
67.2439

■ 24.1332, 28.2910,
64.5110

■ 47.7406, 52.5526,
67.9497

■ 22.3264, 25.7004,
64.1062

■ 54.2205, 58.2788,
68.7135

■ 20.9430, 23.4255,
63.7400

■ 61.5237, 64.5392,
69.5369

■ 20.7900, 23.1660,
63.6980

■ 69.6811, 71.3511,
70.4218

■ 78.7216, 78.7307,
71.3697

■ 81.2507, 82.8673,
72.0349

■ 83.2366, 86.8392,
72.6969

Harmonies

Analogous

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



30.0899, 38.3892, 55.6420



32.9020, 38.3892, 65.9973



36.8762, 38.3892, 69.5157

Triad

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



32.9020, 38.3892, 65.9973



45.1912, 38.3892, 40.7005



32.2802, 38.3892, 25.1656

Complementary

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



32.9020, 38.3892, 65.9973



38.4742, 33.6677, 18.3819

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.



36.1021, 38.3892, 22.6461



32.9020, 38.3892, 65.9973



43.7338, 38.3892, 30.4670

Square

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



32.9020, 38.3892, 65.9973



44.1721, 38.3892, 53.3506



40.3251, 38.3892, 24.3834



29.7507, 38.3892, 32.0487

Rectangle

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



32.9020, 38.3892, 65.9973



39.7091, 38.3892, 67.0517



40.3251, 38.3892, 24.3834



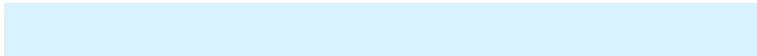
33.4456, 38.3892, 23.8474

Sweetspot

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



32.9032, 38.3906, 65.9982



78.4177, 85.5868, 106.9946



33.5471, 50.6005, 32.5413



16.3349, 17.9184, 22.8476



0.0000, 0.0000, 0.0000



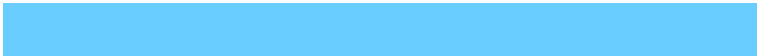
20.3446, 21.4041, 23.3091

Same Dimension

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



32.9032, 38.3906, 65.9982



45.6186, 53.7874, 102.5854



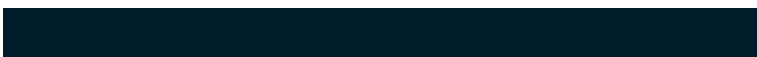
24.9958, 22.5757, 63.3624



11.8126, 12.7154, 15.0754



12.9122, 14.4711, 39.3051



0.7933, 0.9518, 2.2215

Inverse Universe

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



39.2911, 27.1671, 43.7318



57.2473, 35.6723, 61.5315



47.4277, 51.5748, 21.3664



12.1363, 11.9393, 13.9935



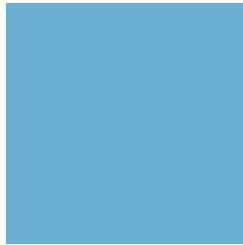
19.1482, 9.5321, 16.2186



1.1066, 0.5474, 1.0964

Previews

White Background



This preview shows how the XYZ color 32.9020, 38.3892, 65.9973 looks on a white background.

Color Contrast Check

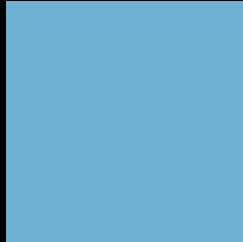
Large Text (above 18pt) WCAG AA × Fail

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 32.9020, 38.3892, 65.9973 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 32.9020, 38.3892, 65.9973

Background



This preview shows how black text looks on a background with the XYZ color 32.9020, 38.3892, 65.9973.

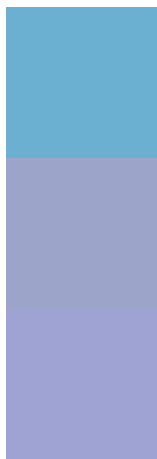


This preview shows how white text looks on a background with the XYZ color 32.9020, 38.3892,

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

32.9020, 38.3892, 65.9973

Protanopia

37.7227, 37.9361, 60.5925

Deuteranopia

39.0814, 38.2170, 67.6042



Tritanopia

30.9143, 38.4713, 55.6655

Trichromacy



Original Color

32.9020, 38.3892, 65.9973

Protanomaly

35.5492, 37.8539, 62.5596

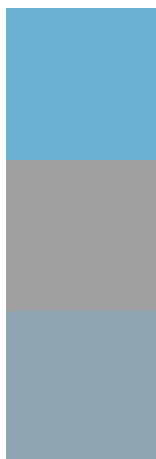
Deuteranomaly

36.2240, 37.8295, 67.0206

Tritanomaly

31.6241, 38.4646, 59.1837

Monochromacy



Original Color

32.9020, 38.3892, 65.9973

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.2062, 35.6600, 46.7806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9020, 38.3892, 65.9973 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(107, 175, 209)` looks like.

```
.text, #text, p{  
    color:rgb(107, 175, 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(107, 175, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 175, 209) }
```

Border

The CSS property to change the border of an element to XYZ 32.9020, 38.3892, 65.9973 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(107, 175, 209) }
```


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

```
.border{ border-color:rgb(107, 175, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 175, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 175, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 175, 209);  
box-shadow:4px 4px 4px 4px rgb(107, 175,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9020, 38.3892, 65.9973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 175, 209) }
```

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

```
.background{ background-color: rgb(107,  
175, 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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