

Converting Colors

XYZ(32.2442, 38.2303, 72.3137)

Have a look what the booklet for
XYZ(32.2442, 38.2303, 72.3137)
contains.

XYZ(32.2047, 38.1873, 72.0032)	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(32.2047, 38.1873,
72.0032)**

Conversions

Conversions Part 1

Format	Color
Hex	58B0DA
RGB	88, 176, 218
RGB Percent	35%, 69%, 85%
CMY	0.6549, 0.3098, 0.1451
CMYK	0.60, 0.19, 0.00, 0.15
HSL	199°, 64%, 60%
HSV	199°, 60%, 85%
XYZ	32.2047, 38.1873, 72.0032
YIQ	154.4760, -65.9300, -5.5940

Conversions

Conversions Part 2

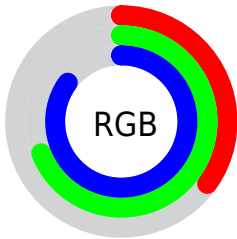
Format	Color
R _Y B	88, 140, 218
Decimal	5812442
CIE Lab	68.16, -14.18, -29.14
CIE LCh	68, 32.409, 244.061
Yxy	38.1873, 0.2262, 0.2682
Android (android.graphics.Color)	4284002522 (0xFF58B0DA)
YUV	154.4760, 31.3173, -58.2995
Hunter-Lab	61.7959, -15.1181, -25.8263

Details

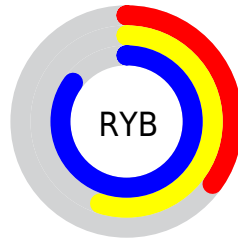
The XYZ color **32.2047, 38.1873, 72.0032** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **38.6588, 31.5769, 13.2914**, and the grayscale version is **30.8129, 32.4176, 35.3028**.

A 20% lighter version of the original color is **59.1194, 71.2291, 105.2404**, and **13.6938, 16.8103, 37.1733** is the 20% darker color. If you saturate the color by 10%, you get **29.0961, 34.5883, 71.4731**, and if you desaturate by 10%, it is **36.0043, 42.2504, 72.5879**.

Distribution



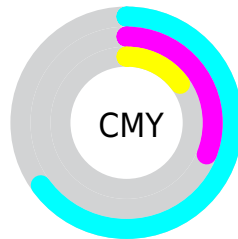
- Red (35%)
- Green (69%)
- Blue (85%)



- Red (35%)
- Yellow (55%)
- Blue (85%)



- Cyan (60%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2047, 38.1873, 72.0032 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 32.2047, 38.1873, 72.0032 by changing the saturation by 10% instead.

■ 32.2047, 38.1873,
72.0032

■ 32.2047, 38.1873,
72.0032

303.7794,
338.4228, 486.5306

■ 21.6742, 26.1281,
52.6744

■ 62.4949, 72.3951,
123.7688

■ 13.7330, 16.9195,
37.1570

■ 82.9853, 95.3125,
157.0428

■ 8.0156, 10.1771,
25.0323

■ 107.5264,
122.6181, 195.8022

■ 4.1568, 5.5165,
15.8819

■ 136.4835,
154.6963, 240.4657

■ 1.7912, 2.5534,
9.2872

170.2220,
191.9315, 291.4517

■ 0.5124, 0.9033,
4.8296

209.1072,

■ 0.0000, 0.0000,

234.7080, 349.1789

2.0906

253.5046,
283.4103, 414.0656

■ 0.0000, 0.0000,
0.6102

■ 0.0000, 0.0000,
0.0000

■ 32.2047, 38.1873,
72.0032

■ 32.2047, 38.1873,
72.0032

■ 29.0961, 34.5883,
71.4731

■ 36.0043, 42.2504,
72.5879

■ 26.6168, 31.4177,
70.9918

■ 40.5421, 46.8013,
73.2272

■ 24.6996, 28.6400,
70.5567

■ 45.8651, 51.8665,
73.9243

■ 23.2284, 26.1937,
70.1620

■ 52.0153, 57.4690,
74.6815

■ 23.1775, 26.1070,
70.1480

■ 59.0314, 63.6304,
75.5010

■ 66.9497, 70.3707,
76.3847

■ 75.8044, 77.7091,
77.3344

■ 82.8497, 84.2313,
78.2220

■ 84.8761, 88.2842,
78.8975

Harmonies

Analogous

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



28.8183, 38.1873, 59.2173



32.2047, 38.1873, 72.0032



36.9892, 38.1873, 76.0223

Triad

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



32.2047, 38.1873, 72.0032



46.8903, 38.1873, 39.6375



31.1154, 38.1873, 22.5056

Complementary

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



32.2047, 38.1873, 72.0032



38.6588, 31.5769, 13.2914

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.



35.6113, 38.1873, 19.5202



32.2047, 38.1873, 72.0032



44.9665, 38.1873, 27.8458

Square

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



32.2047, 38.1873, 72.0032



45.7659, 38.1873, 54.9958



40.7197, 38.1873, 21.2204



28.2316, 38.1873, 30.5445

Rectangle

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



32.2047, 38.1873, 72.0032



40.4084, 38.1873, 72.5612



40.7197, 38.1873, 21.2204



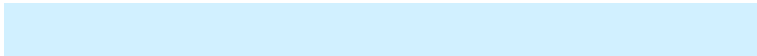
32.4723, 38.1873, 20.9749

Sweetspot

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



32.2060, 38.1887, 72.0041



75.5831, 83.2106, 106.6853



33.0707, 53.8079, 29.4717



15.5884, 17.2836, 22.7644



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.



32.2060, 38.1887, 72.0041



40.3464, 47.9116, 101.7291



22.4566, 18.6899, 68.7543



13.0718, 14.0833, 16.6815



13.9870, 15.8435, 42.0593



0.9830, 1.1801, 2.7504

Inverse Universe

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



40.2407, 25.0208, 43.7842



53.4465, 29.7886, 54.9682



50.0049, 54.2690, 17.0734



13.4261, 13.1995, 15.5051



20.5553, 10.2232, 17.8363



1.3705, 0.6778, 1.3598

Previews

White Background



This preview shows how the XYZ color 32.2047, 38.1873, 72.0032 looks on a white background.

Color Contrast Check

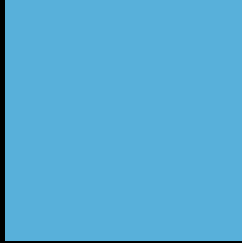
Large Text (above 18pt) WCAG AA × Fail

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 32.2047, 38.1873, 72.0032 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 32.2047, 38.1873, 72.0032

Background



This preview shows how black text looks on a background with the XYZ color 32.2047, 38.1873, 72.0032.

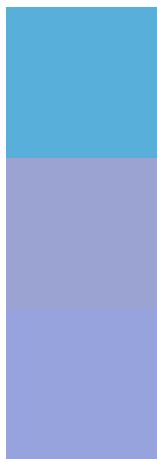


This preview shows how white text looks on a background with the XYZ color 32.2047, 38.1873,

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

32.2047, 38.1873, 72.0032

Protanopia

37.9322, 37.6679, 65.5930

Deuteranopia

38.7260, 37.8989, 73.6807



Tritanopia

29.3135, 38.2023, 57.4586

Trichromacy



Original Color

32.2047, 38.1873, 72.0032

Protanomaly

35.0922, 37.5046, 67.6769

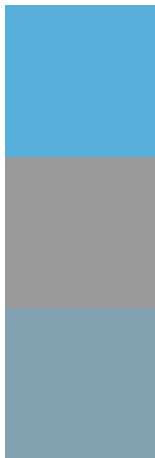
Deuteranomaly

35.6733, 37.6846, 73.1038

Tritanomaly

30.3793, 38.3458, 62.3002

Monochromacy



Original Color

32.2047, 38.1873, 72.0032

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.0621, 33.7608, 46.5270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2047, 38.1873, 72.0032 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(88, 176, 218)` looks like.

```
.text, #text, p{  
    color:rgb(88, 176, 218)  
}
```

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(88, 176, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 176, 218) }
```

Border

The CSS property to change the border of an element to XYZ 32.2047, 38.1873, 72.0032 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(88, 176, 218) }
```


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

```
.border{ border-color:rgb(88, 176, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 176, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 176, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 176, 218);  
box-shadow:4px 4px 4px 4px rgb(88, 176,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2047, 38.1873, 72.0032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 176, 218) }
```

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

```
.background{ background-color: rgb(88, 176,  
218) }
```

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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