

Converting Colors

XYZ(32.4958, 40.0710, 67.4398)

Have a look what the booklet for
XYZ(32.4958, 40.0710, 67.4398)
contains.

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Color

**XYZ(32.4016, 39.8747,
67.6169)**

Conversions

Conversions Part 1

Format	Color
Hex	59B5D3
RGB	89, 181, 211
RGB Percent	35%, 71%, 83%
CMY	0.6510, 0.2902, 0.1725
CMYK	0.58, 0.14, 0.00, 0.17
HSL	195°, 58%, 59%
HSV	195°, 58%, 83%
XYZ	32.4016, 39.8747, 67.6169
YIQ	156.9120, -64.4620, -10.1740

Conversions

Conversions Part 2

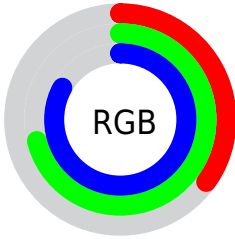
Format	Color
RYP	89, 141, 211
Decimal	5879251
CIELab	69.38, -18.73, -23.43
CIElCh	69, 29.995, 231.350
Yxy	39.8747, 0.2316, 0.2850
Android (android.graphics.Color)	4284069331 (0xFF59B5D3)
YUV	156.9120, 26.6654, -59.5588
Hunter-Lab	63.1464, -18.9146, -19.2850

Details

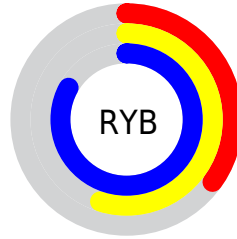
The XYZ color **32.4016, 39.8747, 67.6169** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **35.2652, 27.7654, 12.9533**, and the grayscale version is **31.9143, 33.5763, 36.5646**.

A 20% lighter version of the original color is **60.5469, 74.0843, 105.7163**, and **13.8075, 17.8838, 34.1767** is the 20% darker color. If you saturate the color by 10%, you get **29.6243, 36.9066, 67.1911**, and if you desaturate by 10%, it is **35.8009, 43.2235, 68.0849**.

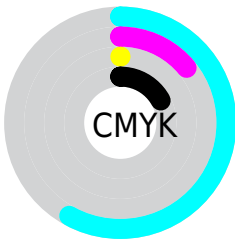
Distribution



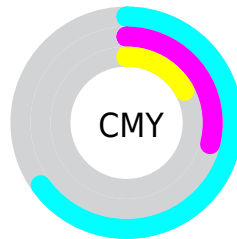
- Red (35%)
- Green (71%)
- Blue (83%)



- Red (35%)
- Yellow (55%)
- Blue (83%)



- Cyan (58%)
- Magenta (14%)
- Yellow (0%)
- Black (17%)



- Cyan (65%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4016, 39.8747, 67.6169 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 32.4016, 39.8747, 67.6169 by changing the saturation by 10% instead.

■ 32.4016, 39.8747,
67.6169

■ 32.4016, 39.8747,
67.6169

304.6575,
345.5952, 470.6986

■ 21.8255, 27.4409,
49.1214

■ 62.8011, 74.9727,
117.4529

■ 13.8446, 17.9046,
34.3495

■ 83.3552, 98.4056,
149.6306

■ 8.0936, 10.8815,
22.8827

■ 107.9659,
126.2737, 187.2060

■ 4.2072, 5.9872,
14.3024

■ 136.9987,
158.9613, 230.5977

■ 1.8200, 2.8373,
8.1902

170.8189,
196.8529, 280.2243

■ 0.5297, 1.0474,
4.1274

209.7919,

■ 0.0000, 0.0000,

240.3328, 336.5043

1.6955

254.2830,
289.7854, 399.8562

■ 0.0000, 0.0000,
0.3576

■ 0.0000, 0.0000,
0.0000

■ 32.4016, 39.8747,
67.6169

■ 32.4016, 39.8747,
67.6169

■ 29.6243, 36.9066,
67.1911

■ 35.8009, 43.2235,
68.0849

■ 27.4137, 34.2875,
66.8021

■ 39.8639, 46.9725,
68.5943

■ 25.7106, 31.9871,
66.4478

■ 44.6328, 51.1450,
69.1484

■ 24.4296, 29.9607,
66.1242

■ 50.1453, 55.7610,
69.7488

■ 24.1761, 29.5393,
66.0562

■ 56.4362, 60.8390,
70.3974

■ 63.5381, 66.3964,
71.0958

■ 71.4816, 72.4495,
71.8455

■ 79.2552, 78.4776,
72.5993

■ 80.6588, 81.2848,
73.0672

Harmonies

Analogous

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



29.9074, 39.8747, 53.8135



32.4016, 39.8747, 67.6169



36.5230, 39.8747, 75.2949

Triad

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



32.4016, 39.8747, 67.6169



47.8192, 39.8747, 47.5318



34.6251, 39.8747, 23.0926

Complementary

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



32.4016, 39.8747, 67.6169



35.2652, 27.7654, 12.9533

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.



39.3106, 39.8747, 22.1094



32.4016, 39.8747, 67.6169



47.2024, 39.8747, 34.4536

Square

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



32.4016, 39.8747, 67.6169



45.6074, 39.8747, 62.1913



43.9870, 39.8747, 25.8132



31.1134, 39.8747, 28.8611

Rectangle

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



32.4016, 39.8747, 67.6169



39.7529, 39.8747, 74.9818



43.9870, 39.8747, 25.8132



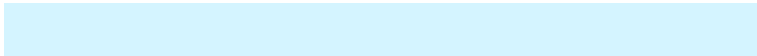
36.1050, 39.8747, 22.2482

Sweetspot

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



32.4029, 39.8762, 67.6179



77.5537, 86.0714, 107.1337



30.6538, 50.0088, 25.0126



16.2082, 18.1008, 22.8895



0.0000, 0.0000, 0.0000



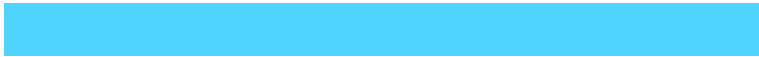
20.3446, 21.4041, 23.3091

Same Dimension

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



32.4029, 39.8762, 67.6179



44.7555, 55.8383, 103.0267



22.7815, 20.6334, 64.4107



11.9019, 12.8940, 15.1052



14.6742, 17.9951, 39.8925



0.8807, 1.1266, 2.2506

Inverse Universe

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



38.7780, 24.3312, 46.3700



55.8897, 31.5992, 65.2648



44.6817, 46.5983, 16.0921



12.1814, 11.9573, 14.2309



20.0376, 9.8879, 20.9020



1.1508, 0.5650, 1.3287

Previews

White Background



This preview shows how the XYZ color 32.4016, 39.8747, 67.6169 looks on a white background.

Color Contrast Check

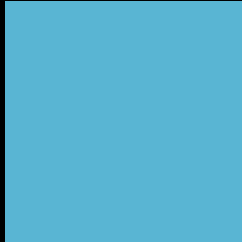
Large Text (above 18pt) WCAG AA × Fail

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 32.4016, 39.8747, 67.6169 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 32.4016, 39.8747, 67.6169

Background



This preview shows how black text looks on a background with the XYZ color 32.4016, 39.8747, 67.6169.

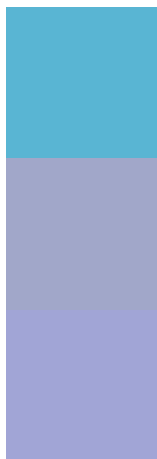


This preview shows how white text looks on a background with the XYZ color 32.4016, 39.8747,

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

32.4016, 39.8747, 67.6169

Protanopia

39.0593, 39.4315, 60.8107

Deuteranopia

40.2907, 39.3424, 69.0886



Tritanopia

30.7827, 39.8290, 59.4914

Trichromacy



Original Color

32.4016, 39.8747, 67.6169

Protanomaly

35.7636, 39.0637, 63.4127

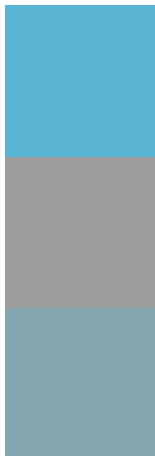
Deuteranomaly

36.5648, 39.0808, 68.5670

Tritanomaly

31.3452, 39.7461, 62.5196

Monochromacy



Original Color

32.4016, 39.8747, 67.6169

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.0877, 35.3523, 46.7801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4016, 39.8747, 67.6169 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(89, 181, 211)` looks like.

```
.text, #text, p{  
    color:rgb(89, 181, 211)  
}
```

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(89, 181, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 181, 211) }
```

Border

The CSS property to change the border of an element to XYZ 32.4016, 39.8747, 67.6169 is called "border". The border property can be set on classes, ids or directly on the HTML element.

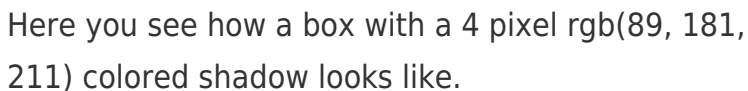
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(89, 181, 211) }
```


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

```
.border{ border-color:rgb(89, 181, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(89, 181, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(89, 181, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(89, 181, 211); box-shadow:4px 4px 4px 4px rgb(89, 181, 211) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4016, 39.8747, 67.6169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 181, 211) }
```

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

```
.background{ background-color: rgb(89, 181,  
211) }
```

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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