

Converting Colors

XYZ(32.6404, 39.6588, 64.2274)

Have a look what the booklet for
XYZ(32.6404, 39.6588, 64.2274)
contains.

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Color

**XYZ(32.7174, 39.8081,
64.3519)**

Conversions

Conversions Part 1

Format	Color
Hex	64B4CE
RGB	100, 180, 206
RGB Percent	39%, 71%, 81%
CMY	0.6078, 0.2941, 0.1922
CMYK	0.51, 0.13, 0.00, 0.19
HSL	195°, 52%, 60%
HSV	195°, 51%, 81%
XYZ	32.7174, 39.8081, 64.3519
YIQ	159.0440, -56.0260, -8.8740

Conversions

Conversions Part 2

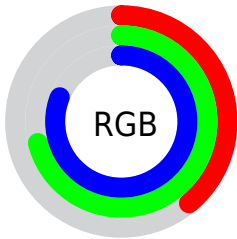
Format	Color
RYB	100, 146, 206
Decimal	6599886
CIELab	69.33, -17.40, -20.72
CIELCh	69, 27.052, 229.975
Yxy	39.8081, 0.2390, 0.2908
Android (android.graphics.Color)	4284789966 (0xFF64B4CE)
YUV	159.0440, 23.1493, -51.7816
Hunter-Lab	63.0937, -17.8522, -16.3068

Details

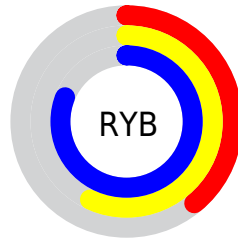
The XYZ color **32.7174, 39.8081, 64.3519** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **35.2157, 28.9648, 15.7926**, and the grayscale version is **32.8918, 34.6047, 37.6846**.

A 20% lighter version of the original color is **61.9501, 74.3790, 105.6992**, and **14.0198, 17.8391, 32.4101** is the 20% darker color. If you saturate the color by 10%, you get **29.7192, 36.7765, 63.9255**, and if you desaturate by 10%, it is **36.3313, 43.2140, 64.8196**.

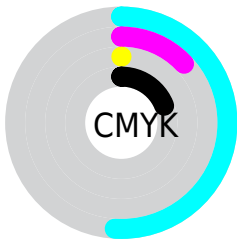
Distribution



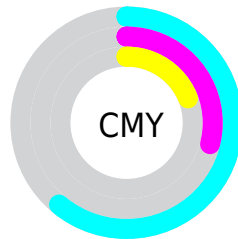
- Red (39%)
- Green (71%)
- Blue (81%)



- Red (39%)
- Yellow (57%)
- Blue (81%)



- Cyan (51%)
- Magenta (13%)
- Yellow (0%)
- Black (19%)



- Cyan (61%)
- Magenta (29%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7174, 39.8081, 64.3519 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 32.7174, 39.8081, 64.3519 by changing the saturation by 10% instead.

■ 32.7174, 39.8081,
64.3519

■ 32.7174, 39.8081,
64.3519

306.0619,
345.3141, 458.7016

■ 22.0682, 27.3890,
46.4877

■ 63.2917, 74.8712,
112.7219

■ 14.0239, 17.8656,
32.2794

■ 83.9476, 98.2840,
144.0649

■ 8.2191, 10.8535,
21.3084

■ 108.6697,
126.1300, 180.7378

■ 4.2885, 5.9684,
13.1562

■ 137.8235,
158.7938, 223.1593

■ 1.8666, 2.8259,
7.4042

171.7742,
196.6597, 271.7479

■ 0.5573, 1.0415,
3.6339

210.8873,

■ 0.0000, 0.0000,

240.1121, 326.9221

1.4267

255.5281,
289.5355, 389.1005

■ 0.0000, 0.0000,
0.1624

■ 0.0000, 0.0000,
0.0000

■ 32.7174, 39.8081,
64.3519

■ 32.7174, 39.8081,
64.3519

■ 29.7192, 36.7765,
63.9255

■ 36.3313, 43.2140,
64.8196

■ 27.2883, 34.0912,
63.5353

■ 40.5971, 47.0109,
65.3276

■ 25.3748, 31.7266,
63.1797

■ 45.5527, 51.2197,
65.8788

■ 23.9176, 29.6507,
62.8558

■ 51.2319, 55.8585,
66.4748

■ 22.9411, 28.0571,
62.5997

■ 57.6660, 60.9438,
67.1173

■ 64.8846, 66.4916,
67.8077

■ 72.9157, 72.5168,
68.5473

■ 78.0855, 77.1259,
69.1645

■ 79.4352, 79.8252,
69.6144

Harmonies

Analogous

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



30.5202, 39.8081, 52.0357



32.7174, 39.8081, 64.3519



36.4017, 39.8081, 71.4084

Triad

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



32.7174, 39.8081, 64.3519



46.6671, 39.8081, 47.6407



35.0555, 39.8081, 24.5330

Complementary

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



32.7174, 39.8081, 64.3519



35.2157, 28.9648, 15.7926

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.



39.3083, 39.8081, 23.8059



32.7174, 39.8081, 64.3519



46.2373, 39.8081, 35.6788

Square

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



32.7174, 39.8081, 64.3519



44.5961, 39.8081, 60.6104



43.4633, 39.8081, 27.4924



31.7968, 39.8081, 29.7145

Rectangle

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



32.7174, 39.8081, 64.3519



39.3011, 39.8081, 71.4134



43.4633, 39.8081, 27.4924



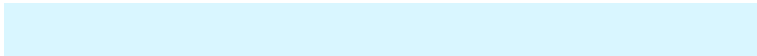
36.4086, 39.8081, 23.8035

Sweetspot

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



32.7187, 39.8096, 64.3528



79.4308, 87.6129, 107.3323



31.0126, 48.3268, 27.0077



16.5801, 18.4088, 22.9293



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.



32.7187, 39.8096, 64.3528



47.5819, 58.9814, 103.4845



24.1514, 22.6750, 61.4971



11.3011, 12.2427, 14.3378



14.2057, 17.4354, 38.5729



0.7900, 1.0138, 2.0090

Inverse Universe

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



38.2501, 25.5327, 46.0939



57.9288, 34.7603, 68.7725



43.6223, 45.7778, 18.5948



11.5654, 11.3549, 13.5118



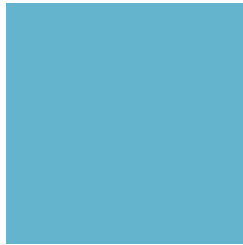
19.3813, 9.5631, 20.2584



1.0287, 0.5049, 1.1971

Previews

White Background



This preview shows how the XYZ color 32.7174, 39.8081, 64.3519 looks on a white background.

Color Contrast Check

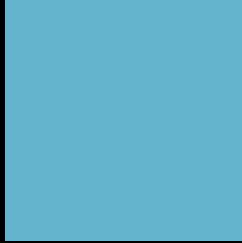
Large Text (above 18pt) WCAG AA × Fail

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 32.7174, 39.8081, 64.3519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

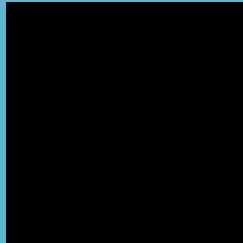
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.7174, 39.8081, 64.3519

Background



This preview shows how black text looks on a background with the XYZ color 32.7174, 39.8081, 64.3519.



This preview shows how white text looks on a background with the XYZ color 32.7174, 39.8081,

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

32.7174, 39.8081, 64.3519

Protanopia

39.0010, 39.4552, 58.3834

Deuteranopia

40.2736, 39.4062, 65.8051



Tritanopia

31.6215, 39.9828, 58.2754

Trichromacy



Original Color

32.7174, 39.8081, 64.3519

Protanomaly

35.9931, 39.2506, 60.3227

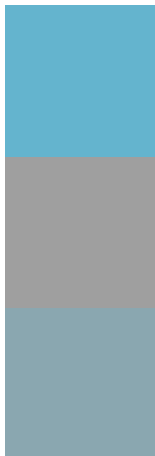
Deuteranomaly

36.7444, 38.9662, 65.2591

Tritanomaly

31.9862, 39.8145, 60.6427

Monochromacy



Original Color

32.7174, 39.8081, 64.3519

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.1364, 36.1753, 46.3631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7174, 39.8081, 64.3519 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(100, 180, 206)` looks like.

```
.text, #text, p{  
    color:rgb(100, 180, 206)  
}
```

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(100, 180, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 180, 206) }
```

Border

The CSS property to change the border of an element to XYZ 32.7174, 39.8081, 64.3519 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(100, 180, 206) }
```


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

```
.border{ border-color:rgb(100, 180, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 180, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 180, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 180, 206);  
box-shadow:4px 4px 4px 4px rgb(100, 180,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7174, 39.8081, 64.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 180, 206) }
```

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

```
.background{ background-color: rgb(100,  
180, 206) }
```

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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