

Converting Colors

XYZ(30.7618, 35.8489, 51.9324)

Have a look what the booklet for
XYZ(30.7618, 35.8489, 51.9324)
contains.

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Color

**XYZ(30.7966, 35.9142,
51.7633)**

Conversions

Conversions Part 1

Format	Color
Hex	78A9BA
RGB	120, 169, 186
RGB Percent	47%, 66%, 73%
CMY	0.5294, 0.3372, 0.2706
CMYK	0.35, 0.09, 0.00, 0.27
HSL	195°, 32%, 60%
HSV	195°, 35%, 73%
XYZ	30.7966, 35.9142, 51.7633
YIQ	156.2870, -34.6610, -5.1010

Conversions

Conversions Part 2

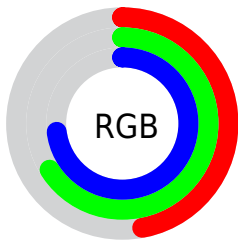
Format	Color
RYB	120, 148, 186
Decimal	7907770
CIELab	66.45, -11.99, -13.93
CIElCh	66, 18.378, 229.288
Yxy	35.9142, 0.2599, 0.3031
Android (android.graphics.Color)	4286097850 (0xFF78A9BA)
YUV	156.2870, 14.6485, -31.8237
Hunter-Lab	59.9285, -13.1455, -9.2619

Details

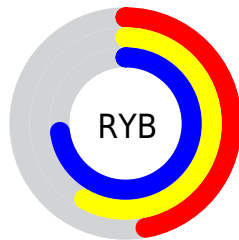
The XYZ color **30.7966, 35.9142, 51.7633** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.5860, 29.6868, 21.7828**, and the grayscale version is **31.6767, 33.3263, 36.2924**.

A 20% lighter version of the original color is **60.1382, 68.7208, 94.0992**, and **12.9788, 15.6450, 24.5260** is the 20% darker color. If you saturate the color by 10%, you get **27.5886, 32.9624, 51.3632**, and if you desaturate by 10%, it is **34.5405, 39.1925, 52.1994**.

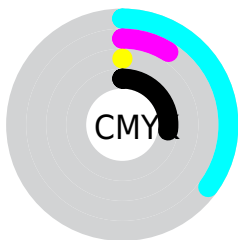
Distribution



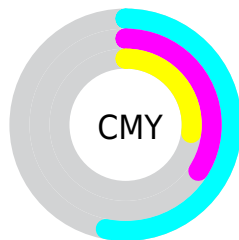
- Red (47%)
- Green (66%)
- Blue (73%)



- Red (47%)
- Yellow (58%)
- Blue (73%)



- Cyan (35%)
- Magenta (9%)
- Yellow (0%)
- Black (27%)



- Cyan (53%)
- Magenta (34%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7966, 35.9142, 51.7633 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 30.7966, 35.9142, 51.7633 by changing the saturation by 10% instead.

■ 30.7966, 35.9142,
51.7633

■ 30.7966, 35.9142,
51.7633

297.4438,
328.5854, 410.4530

■ 20.5951, 24.3679,
36.4355

■ 60.2977, 68.8996,
94.2051

■ 12.9391, 15.6068,
24.4784

■ 80.3280, 91.1076,
122.1562

■ 7.4633, 9.2463,
15.4734

■ 104.3653,
117.6382, 155.1521

■ 3.8024, 4.9022,
9.0020

132.7749,
148.8759, 193.6113

■ 1.5910, 2.1900,
4.6456

165.9222,
185.2051, 237.9525

■ 0.3865, 0.7145,
1.9858

204.1726,

■ 0.0000, 0.0000,

227.0101, 288.5942

0.5465

247.8913,
274.6754, 345.9549

■ 0.0000, 0.0000,
0.0000

■ 30.7966, 35.9142,
51.7633

■ 30.7966, 35.9142,
51.7633

■ 27.5886, 32.9624,
51.3632

■ 34.5405, 39.1925,
52.1994

■ 24.8838, 30.3170,
50.9952

■ 38.8441, 42.8075,
52.6703

■ 22.6508, 27.9624,
50.6584

■ 43.7338, 46.7741,
53.1782

■ 20.8530, 25.8790,
50.3510

■ 49.2332, 51.1049,
53.7243

■ 19.4483, 24.0447,
50.0710

■ 55.3646, 55.8120,
54.3097

■ 18.3844, 22.4319,
49.8158

■ 62.1491, 60.9068,
54.9355

■ 17.9654, 21.7499,
49.7062

■ 69.6069, 66.3999,
55.6027

■ 72.4951, 69.5893,
56.0661

■ 73.6758, 71.9507,
56.4597

Harmonies

Analogous

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



29.3772, 35.9142, 44.3310



30.7966, 35.9142, 51.7633



33.1606, 35.9142, 55.9788

Triad

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



30.7966, 35.9142, 51.7633



39.6074, 35.9142, 41.9915



32.4159, 35.9142, 26.4656

Complementary

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



30.7966, 35.9142, 51.7633



32.5860, 29.6868, 21.7828

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.



35.1291, 35.9142, 26.0157



30.7966, 35.9142, 51.7633



39.3815, 35.9142, 34.3058

Square

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



30.7966, 35.9142, 51.7633



38.3087, 35.9142, 49.8539



37.7071, 35.9142, 28.6985



30.2767, 35.9142, 30.0232

Rectangle

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



30.7966, 35.9142, 51.7633



34.9972, 35.9142, 56.0620



37.7071, 35.9142, 28.6985



33.2878, 35.9142, 25.9659

Sweetspot

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



30.7977, 35.9156, 51.7641



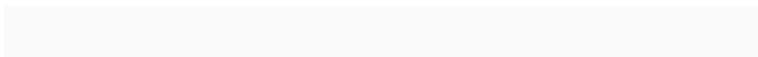
74.0854, 80.6028, 95.8546



29.7849, 40.9034, 29.8055



16.0538, 17.5373, 21.0815



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



30.7977, 35.9156, 51.7641



50.9675, 60.6521, 93.2222



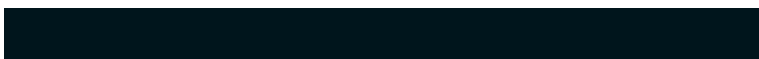
25.4842, 25.2886, 49.9930



9.0656, 9.8085, 11.4948



12.1493, 14.7582, 33.4614



0.4752, 0.6140, 1.1952

Inverse Universe

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



34.1285, 26.7375, 40.8998



58.1242, 42.0502, 69.6275



37.9217, 40.3582, 23.5614



9.2795, 9.1222, 10.8191



16.7461, 8.2722, 17.0815



0.6140, 0.3011, 0.7268

Previews

White Background



This preview shows how the XYZ color 30.7966, 35.9142, 51.7633 looks on a white background.

Color Contrast Check

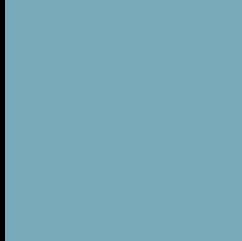
Large Text (above 18pt) WCAG AA × Fail

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 30.7966, 35.9142, 51.7633 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 30.7966, 35.9142, 51.7633

Background



This preview shows how black text looks on a background with the XYZ color 30.7966, 35.9142, 51.7633.



This preview shows how white text looks on a background with the XYZ color 30.7966, 35.9142,

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

30.7966, 35.9142, 51.7633

Protanopia

34.9096, 35.7060, 48.2320

Deuteranopia

36.2383, 35.5313, 52.5252



Tritanopia

30.3430, 35.7168, 50.0945

Trichromacy



Original Color

30.7966, 35.9142, 51.7633

Protanomaly

33.0423, 35.5011, 49.3668

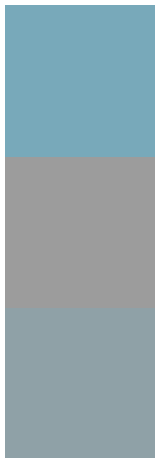
Deuteranomaly

33.7471, 35.2806, 52.0449

Tritanomaly

30.4474, 35.7586, 50.6447

Monochromacy



Original Color

30.7966, 35.9142, 51.7633

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.0476, 34.1194, 41.5085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7966, 35.9142, 51.7633 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(120, 169, 186)` looks like.

```
.text, #text, p{  
    color:rgb(120, 169, 186)  
}
```

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(120, 169, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 169, 186) }
```

Border

The CSS property to change the border of an element to XYZ 30.7966, 35.9142, 51.7633 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(120, 169, 186) }
```


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

```
.border{ border-color:rgb(120, 169, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 169, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 169, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 169, 186);  
box-shadow:4px 4px 4px 4px rgb(120, 169,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7966, 35.9142, 51.7633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 169, 186) }
```

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

```
.background{ background-color: rgb(120,  
169, 186) }
```

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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