

Converting Colors

XYZ(30.3462, 32.1587, 35.2435)

Have a look what the booklet for
XYZ(30.3462, 32.1587, 35.2435)
contains.

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Color

**XYZ(30.3372, 32.1197,
35.1726)**

Conversions

Conversions Part 1

Format	Color
Hex	989A9A
RGB	152, 154, 154
RGB Percent	60%, 60%, 60%
CMY	0.4039, 0.3961, 0.3961
CMYK	0.01, 0.00, 0.00, 0.40
HSL	180°, 1%, 60%
HSV	180°, 1%, 60%
XYZ	30.3372, 32.1197, 35.1726
YIQ	153.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

Format	Color
RYB	152, 153, 154
Decimal	10001050
CIELab	63.44, -0.72, -0.26
CIELCh	63, 0.764, 199.924
Yxy	32.1197, 0.3107, 0.3290
Android (android.graphics.Color)	4288191130 (0xFF989A9A)
YUV	153.4020, 0.2948, -1.2296
Hunter-Lab	56.6742, -3.6305, 2.8760

Details

The XYZ color **30.3372, 32.1197, 35.1726** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.2233, 31.5943, 34.2127**, and the grayscale version is **30.4533, 32.0393, 34.8908**.

A 20% lighter version of the original color is **59.3946, 62.7876, 68.6633**, and **12.6653, 13.4465, 14.7599** is the 20% darker color. If you saturate the color by 10%, you get **27.6384, 30.7295, 35.0377**, and if you desaturate by 10%, it is **33.4121, 33.7056, 35.3264**.

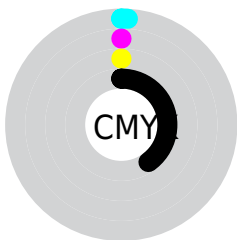
Distribution



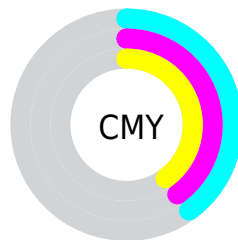
- Red (60%)
- Green (60%)
- Blue (60%)



- Red (60%)
- Yellow (60%)
- Blue (60%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (40%)



- Cyan (40%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3372, 32.1197, 35.1726 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 30.3372, 32.1197, 35.1726 by changing the saturation by 10% instead.

■ 30.3372, 32.1197,
35.1726

■ 30.3372, 32.1197,
35.1726

295.3548,
311.6642, 340.2569

■ 20.2440, 21.4529,
23.5112

■ 59.5780, 62.9987,
68.9077

■ 12.6818, 13.4555,
14.7626

■ 79.4563, 83.9797,
91.8185

■ 7.2853, 7.7429,
8.5082

103.3271,
109.1676, 119.3161

■ 3.6891, 3.9309,
4.3294

131.5556,
138.9468, 151.8193

■ 1.5278, 1.6350,
1.8077

164.5073,
173.7017, 189.7464

■ 0.3446, 0.3810,
0.4331

202.5475,

■ 0.0000, 0.0000,

213.8166, 233.5160

0.0000

246.0415,
259.6759, 283.5466

■ 30.3372, 32.1197,
35.1726

■ 30.3372, 32.1197,
35.1726

■ 27.6384, 30.7295,
35.0377

■ 33.4121, 33.7056,
35.3264

■ 25.2987, 29.5236,
34.9189

■ 36.8739, 35.4900,
35.4977

■ 23.3038, 28.4954,
34.8163

■ 40.7364, 37.4810,
35.6878

■ 21.6373, 27.6365,
34.7290

■ 45.0118, 39.6848,
35.8972

■ 20.2817, 26.9378,
34.6563

■ 49.7119, 42.1076,
36.1264

■ 19.2177, 26.3895,
34.5972

■ 54.8480, 44.7552,
36.3761

■ 18.4239, 25.9805,
34.5508

■ 58.6415, 46.7106,
36.5629

■ 17.8758, 25.6982,
34.5159

■ 58.6433, 46.7113,
36.5723

■ 17.5450, 25.5278,
34.4911

■ 58.6451, 46.7120,
36.5817

Harmonies

Analogous

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



30.3282, 32.1197, 34.8707



30.3372, 32.1197, 35.1726



30.3975, 32.1197, 35.4224

Triad

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



30.3372, 32.1197, 35.1726



30.6854, 32.1197, 35.3508



30.5646, 32.1197, 34.4001

Complementary

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



30.3372, 32.1197, 35.1726



30.2233, 31.5943, 34.2127

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.



30.6605, 32.1197, 34.5272



30.3372, 32.1197, 35.1726



30.7303, 32.1197, 35.0753

Square

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



30.3372, 32.1197, 35.1726



30.5985, 32.1197, 35.5257



30.7212, 32.1197, 34.7739



30.4593, 32.1197, 34.4259

Rectangle

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



30.3372, 32.1197, 35.1726



30.4588, 32.1197, 35.5252



30.7212, 32.1197, 34.7739



30.5990, 32.1197, 34.4264

Sweetspot

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



30.3381, 32.1211, 35.1733



55.7959, 58.7016, 63.9261



30.1791, 32.0582, 34.3034



12.6291, 13.2868, 14.4694



74.8435, 78.7412, 85.7492

Same Dimension

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



30.3381, 32.1211, 35.1733



54.7231, 58.1486, 63.8724



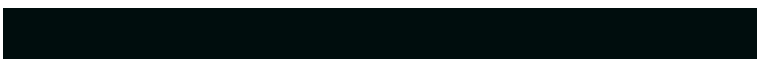
30.1792, 31.8029, 35.1215



6.8402, 7.2615, 7.9697



14.1524, 20.7244, 28.0867



0.2117, 0.3099, 0.4204

Inverse Universe

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



30.2233, 31.5943, 34.2127



54.3975, 56.6547, 61.1484



30.3809, 31.9097, 34.2641



6.8035, 7.0928, 7.6621



10.8585, 5.5976, 0.5137



0.1624, 0.0837, 0.0081

Previews

White Background



This preview shows how the XYZ color 30.3372, 32.1197, 35.1726 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 30.3372, 32.1197, 35.1726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

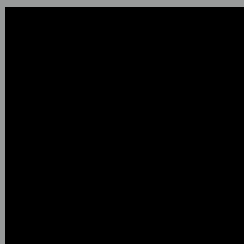
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

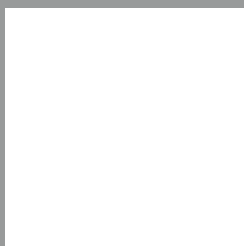
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3372, 32.1197, 35.1726

Background



This preview shows how black text looks on a background with the XYZ color 30.3372, 32.1197, 35.1726.



This preview shows how white text looks on a background with the XYZ color 30.3372, 32.1197,

35.1726.

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

30.3372, 32.1197, 35.1726

Protanopia

30.8513, 32.1503, 34.7166

Deuteranopia

32.8123, 32.1863, 35.4935



Tritanopia

31.2555, 32.0068, 39.6526

Trichromacy



Original Color

30.3372, 32.1197, 35.1726

Protanomaly

30.6586, 32.0509, 34.7076

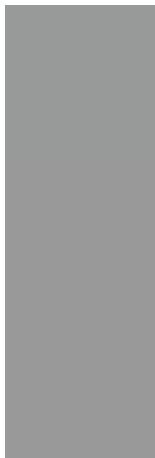
Deuteranomaly

31.8833, 32.1812, 35.5415

Tritanomaly

30.8733, 32.0928, 37.8250

Monochromacy



Original Color

30.3372, 32.1197, 35.1726

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.2779, 31.8547, 34.6897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3372, 32.1197, 35.1726 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(152, 154, 154) looks like.

```
.text, #text, p{  
    color:rgb(152, 154, 154)  
}
```

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(152, 154, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 154, 154) }
```

Border

The CSS property to change the border of an element to XYZ 30.3372, 32.1197, 35.1726 is called "border". The border property can be set on classes, ids or directly on the HTML element.

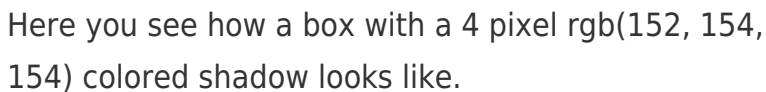
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 154, 154) }
```

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

```
.border{ border-color:rgb(152, 154, 154) }
```

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



Here you see how a box with a 4 pixel `rgb(152, 154, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 154, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 154, 154);  
box-shadow:4px 4px 4px 4px rgb(152, 154,  
154) }
```


Background

The CSS property to change the background color of an element to XYZ 30.3372, 32.1197, 35.1726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 154, 154) }
```

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

```
.background{ background-color: rgb(152,  
154, 154) }
```

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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