

Converting Colors

XYZ(30.8030, 32.7275, 35.9255)

Have a look what the booklet for
XYZ(30.8030, 32.7275, 35.9255)
contains.

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Color

**XYZ(30.8381, 32.8526,
36.1683)**

Conversions

Conversions Part 1

Format	Color
Hex	989C9C
RGB	152, 156, 156
RGB Percent	60%, 61%, 61%
CMY	0.4039, 0.3882, 0.3882
CMYK	0.03, 0.00, 0.00, 0.39
HSL	180°, 2%, 60%
HSV	180°, 3%, 61%
XYZ	30.8381, 32.8526, 36.1683
YIQ	154.8040, -2.3840, -0.8480

Conversions

Conversions Part 2

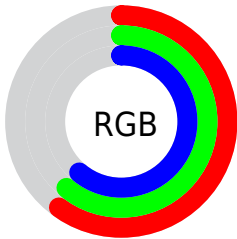
Format	Color
RYB	152, 154, 156
Decimal	10001564
CIELab	64.04, -1.43, -0.51
CIELCh	64, 1.520, 199.569
Yxy	32.8526, 0.3088, 0.3290
Android (android.graphics.Color)	4288191644 (0xFF989C9C)
YUV	154.8040, 0.5896, -2.4591
Hunter-Lab	57.3172, -4.2676, 2.7088

Details

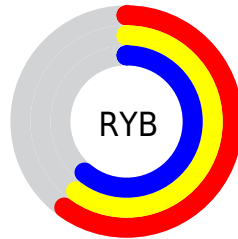
The XYZ color **30.8381, 32.8526, 36.1683** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.6072, 31.7923, 34.2307**, and the grayscale version is **31.0681, 32.6860, 35.5951**.

A 20% lighter version of the original color is **60.1331, 63.8681, 70.1312**, and **12.9682, 13.8898, 15.3621** is the 20% darker color. If you saturate the color by 10%, you get **28.1076, 31.4460, 36.0367**, and if you desaturate by 10%, it is **33.9545, 34.4600, 36.3193**.

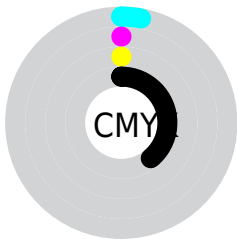
Distribution



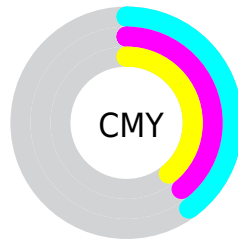
- Red (60%)
- Green (61%)
- Blue (61%)



- Red (60%)
- Yellow (60%)
- Blue (61%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (39%)



- Cyan (40%)
- Magenta (39%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8381, 32.8526, 36.1683 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 30.8381, 32.8526, 36.1683 by changing the saturation by 10% instead.

■ 30.8381, 32.8526,
36.1683

■ 30.8381, 32.8526,
36.1683

297.6320,
314.9850, 344.7552

■ 20.6268, 22.0136,
24.2735

■ 60.3627, 64.1453,
70.4637

■ 12.9624, 13.8669,
15.3225

■ 80.4067, 85.3678,
93.7014

■ 7.4795, 8.0281,
8.8969

104.4589,
110.8202, 121.5571

■ 3.8127, 4.1129,
4.5781

132.8848,
140.8869, 154.4494

■ 1.5967, 1.7369,
1.9476

166.0497,
175.9524, 192.7968

■ 0.3903, 0.4474,
0.5227

204.3190,

■ 0.0000, 0.0000,

216.4010, 237.0179

0.0000

248.0580,
262.6170, 287.5312

■ 30.8381, 32.8526,
36.1683

■ 30.8381, 32.8526,
36.1683

■ 28.1076, 31.4460,
36.0367

■ 33.9545, 34.4600,
36.3193

■ 25.7454, 30.2284,
35.9217

■ 37.4681, 36.2712,
36.4882

■ 23.7366, 29.1929,
35.8233

■ 41.3932, 38.2946,
36.6763

■ 22.0641, 28.3308,
35.7406

■ 45.7426, 40.5367,
36.8843

■ 20.7096, 27.6326,
35.6727

■ 50.5283, 43.0037,
37.1127

■ 19.6530, 27.0880,
35.6188

■ 55.7621, 45.7017,
37.3621

■ 18.8718, 26.6854,
35.5778

■ 59.1359, 47.4409,
37.5244

■ 18.3404, 26.4115,
35.5485

■ 59.1367, 47.4412,
37.5289

■ 18.0283, 26.2507,
35.5295

■ 59.1376, 47.4416,
37.5334

Harmonies

Analogous

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



30.8212, 32.8526, 35.5573



30.8381, 32.8526, 36.1683



30.9585, 32.8526, 36.6783

Triad

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



30.8381, 32.8526, 36.1683



31.5407, 32.8526, 36.5430



31.3002, 32.8526, 34.6209

Complementary

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



30.8381, 32.8526, 36.1683



30.6072, 31.7923, 34.2307

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.



31.4939, 32.8526, 34.8786



30.8381, 32.8526, 36.1683



31.6331, 32.8526, 35.9854

Square

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



30.8381, 32.8526, 36.1683



31.3639, 32.8526, 36.8963



31.6160, 32.8526, 35.3764



31.0874, 32.8526, 34.6686

Rectangle

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



30.8381, 32.8526, 36.1683



31.0815, 32.8526, 36.8901



31.6160, 32.8526, 35.3764



31.3697, 32.8526, 34.6745

Sweetspot

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



30.8390, 32.8540, 36.1690



56.8381, 60.0963, 65.7300



30.5183, 32.7271, 34.4148



12.5142, 13.2276, 14.4638



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



30.8390, 32.8540, 36.1690



55.7486, 59.5346, 65.6773



30.5172, 32.2100, 36.0628



7.1842, 7.6963, 8.5132



14.7283, 21.5593, 29.2558



0.2634, 0.3855, 0.5234

Inverse Universe

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



30.6072, 31.7923, 34.2307



55.2482, 57.2426, 61.4930



30.9236, 32.4253, 34.3351



7.1060, 7.3381, 7.8593



11.2936, 5.8220, 0.5312



0.2020, 0.1041, 0.0097

Previews

White Background



This preview shows how the XYZ color 30.8381, 32.8526, 36.1683 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 30.8381, 32.8526, 36.1683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

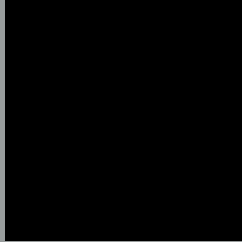
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

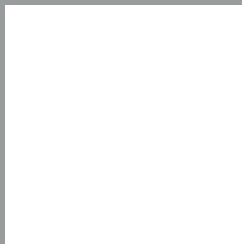
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8381, 32.8526, 36.1683

Background



This preview shows how black text looks on a background with the XYZ color 30.8381, 32.8526, 36.1683.



This preview shows how white text looks on a background with the XYZ color 30.8381, 32.8526,

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

30.8381, 32.8526, 36.1683

Protanopia

31.5725, 32.7469, 35.6671

Deuteranopia

33.3543, 32.6820, 36.4486



Tritanopia

31.8571, 32.7712, 41.2057

Trichromacy



Original Color

30.8381, 32.8526, 36.1683

Protanomaly

31.3480, 32.8772, 35.7041

Deuteranomaly

32.4183, 32.6773, 36.4970

Tritanomaly

31.4691, 32.8593, 39.3342

Monochromacy



Original Color

30.8381, 32.8526, 36.1683

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.9642, 32.6793, 35.6861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8381, 32.8526, 36.1683 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, 156, 156)` looks like.

```
.text, #text, p{  
    color:rgb(152, 156, 156)  
}
```

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, 156, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 156, 156) }
```

Border

The CSS property to change the border of an element to XYZ 30.8381, 32.8526, 36.1683 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, 156, 156) }
```


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

```
.border{ border-color:rgb(152, 156, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 156, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 156, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 156, 156);  
box-shadow:4px 4px 4px 4px rgb(152, 156,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8381, 32.8526, 36.1683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 156, 156) }
```

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

```
.background{ background-color: rgb(152,  
156, 156) }
```

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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