

Converting Colors

XYZ(30.8820, 32.5141, 35.6593)

Have a look what the booklet for
XYZ(30.8820, 32.5141, 35.6593)
contains.

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Color

**XYZ(30.9642, 32.6793,
35.6861)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9B9B
RGB	154, 155, 155
RGB Percent	60%, 61%, 61%
CMY	0.3961, 0.3921, 0.3922
CMYK	0.01, 0.00, 0.00, 0.39
HSL	180°, 0%, 61%
HSV	180°, 1%, 61%
XYZ	30.9642, 32.6793, 35.6861
YIQ	154.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

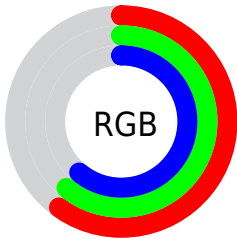
Format	Color
RYB	154, 155, 155
Decimal	10132379
CIELab	63.90, -0.36, -0.13
CIELCh	64, 0.381, 200.566
Yxy	32.6793, 0.3117, 0.3290
Android (android.graphics.Color)	4288322459 (0xFF9A9B9B)
YUV	154.7010, 0.1474, -0.6148
Hunter-Lab	57.1658, -3.3546, 3.0039

Details

The XYZ color **30.9642, 32.6793, 35.6861** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.9072, 32.4138, 35.2011**, and the grayscale version is **31.0240, 32.6396, 35.5446**.

A 20% lighter version of the original color is **60.3215, 63.6143, 69.4211**, and **13.0425, 13.7837, 15.0698** is the 20% darker color. If you saturate the color by 10%, you get **28.1993, 31.2553, 35.5391**, and if you desaturate by 10%, it is **34.1120, 34.3026, 35.8524**.

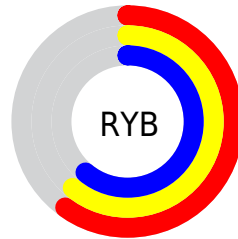
Distribution



Red (60%)

Green (61%)

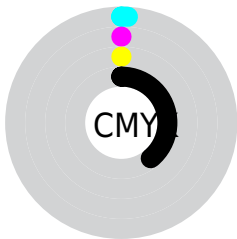
Blue (61%)



Red (60%)

Yellow (61%)

Blue (61%)

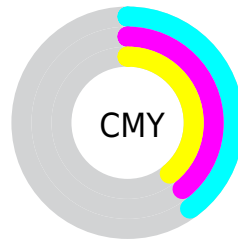


Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (39%)



Cyan (40%)

Magenta (39%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9642, 32.6793, 35.6861 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 30.9642, 32.6793, 35.6861 by changing the saturation by 10% instead.

■ 30.9642, 32.6793,
35.6861

■ 30.9642, 32.6793,
35.6861

298.2032,
314.2022, 342.5823

■ 20.7233, 21.8809,
23.9041

■ 60.5599, 63.8745,
69.7109

■ 13.0332, 13.7694,
15.0509

■ 80.6455, 85.0401,
92.7907

■ 7.5286, 7.9605,
8.7081

104.7432,
110.4302, 120.4736

■ 3.8440, 4.0697,
4.4571

133.2186,
140.4292, 153.1780

■ 1.6143, 1.7126,
1.8793

166.4369,
175.4215, 191.3226

■ 0.4017, 0.4318,
0.4795

204.7635,

■ 0.0000, 0.0000,

215.7915, 235.3258

0.0000

248.5639,
261.9236, 285.6062

■ 30.9642, 32.6793,
35.6861

■ 30.9642, 32.6793,
35.6861

■ 28.1993, 31.2553,
35.5391

■ 34.1120, 34.3026,
35.8524

■ 25.7999, 30.0187,
35.4086

■ 37.6535, 36.1279,
36.0364

■ 23.7517, 28.9632,
35.2945

■ 41.6028, 38.1634,
36.2395

■ 22.0381, 28.0803,
35.1960

■ 45.9722, 40.4155,
36.4623

■ 20.6413, 27.3606,
35.1124

■ 50.7736, 42.8903,
36.7052

■ 19.5419, 26.7942,
35.0427

■ 56.0185, 45.5938,
36.9690

■ 18.7183, 26.3700,
34.9860

■ 58.9030, 47.0804,
37.1223

■ 18.1459, 26.0754,
34.9409

■ 58.9065, 47.0818,
37.1408

■ 17.7959, 25.8954,
34.9064

■ 58.9100, 47.0832,
37.1593

Harmonies

Analogous

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



30.9590, 32.6793, 35.5338



30.9642, 32.6793, 35.6861



30.9952, 32.6793, 35.8109

Triad

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



30.9642, 32.6793, 35.6861



31.1404, 32.6793, 35.7702



31.0776, 32.6793, 35.2915

Complementary

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



30.9642, 32.6793, 35.6861



30.9072, 32.4138, 35.2011

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.



31.1263, 32.6793, 35.3545



30.9642, 32.6793, 35.6861



31.1626, 32.6793, 35.6307

Square

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



30.9642, 32.6793, 35.6861



31.0970, 32.6793, 35.8596



31.1574, 32.6793, 35.4785



31.0245, 32.6793, 35.3063

Rectangle

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



30.9642, 32.6793, 35.6861



31.0264, 32.6793, 35.8616



31.1574, 32.6793, 35.4785



31.0950, 32.6793, 35.3043

Sweetspot

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



30.9651, 32.6807, 35.6868



55.7959, 58.7016, 63.9261



30.8847, 32.6489, 35.2464



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.



30.9651, 32.6807, 35.6868



55.2556, 58.4232, 63.8975



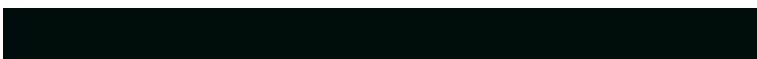
30.8849, 32.5198, 35.6612



6.9004, 7.2925, 7.9725



14.1389, 20.7190, 28.0159



0.2116, 0.3098, 0.4199

Inverse Universe

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



30.9072, 32.4138, 35.2011



55.0924, 57.6716, 62.5297



30.9871, 32.5740, 35.2266



6.8820, 7.2077, 7.8181



10.8595, 5.5980, 0.5190



0.1625, 0.0838, 0.0086

Previews

White Background



This preview shows how the XYZ color 30.9642, 32.6793, 35.6861 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 30.9642, 32.6793, 35.6861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

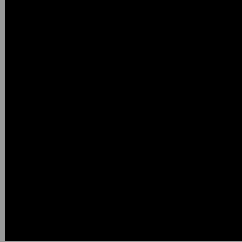
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

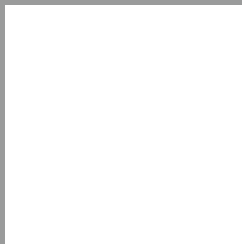
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9642, 32.6793, 35.6861

Background



This preview shows how black text looks on a background with the XYZ color 30.9642, 32.6793, 35.6861.



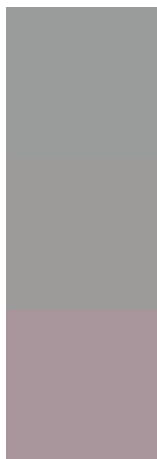
This preview shows how white text looks on a background with the XYZ color 30.9642, 32.6793,

35.6861.

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

30.9642, 32.6793, 35.6861

Protanopia

31.2930, 32.6124, 35.2174

Deuteranopia

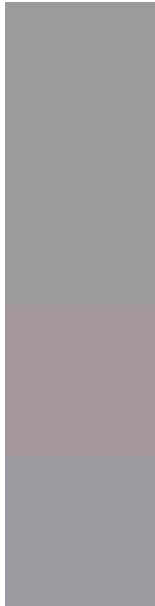
33.2693, 32.6480, 36.0007



Tritanopia

31.8931, 32.5670, 40.2024

Trichromacy



Original Color

30.9642, 32.6793, 35.6861

Protanomaly

31.0986, 32.5122, 35.2083

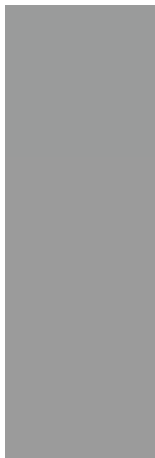
Deuteranomaly

32.5388, 32.7493, 36.0588

Tritanomaly

31.5062, 32.6530, 38.3603

Monochromacy



Original Color

30.9642, 32.6793, 35.6861

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1553, 32.7778, 35.6950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9642, 32.6793, 35.6861 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(154, 155, 155)` looks like.

```
.text, #text, p{  
    color:rgb(154, 155, 155)  
}
```

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(154, 155, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 155, 155) }
```

Border

The CSS property to change the border of an element to XYZ 30.9642, 32.6793, 35.6861 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(154, 155, 155) }
```

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

```
.border{ border-color:rgb(154, 155, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 155, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 155, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 155, 155);  
box-shadow:4px 4px 4px 4px rgb(154, 155,  
155) }
```


Background

The CSS property to change the background color of an element to XYZ 30.9642, 32.6793, 35.6861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 155, 155) }
```

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

```
.background{ background-color: rgb(154,  
155, 155) }
```

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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