

Converting Colors

XYZ(30.1946, 32.5776, 36.6870)

Have a look what the booklet for
XYZ(30.1946, 32.5776, 36.6870)
contains.

XYZ(30.1870, 32.5072, 36.5818)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.1870, 32.5072,
36.5818)**

Conversions

Conversions Part 1

Format	Color
Hex	949C9D
RGB	148, 156, 157
RGB Percent	58%, 61%, 62%
CMY	0.4196, 0.3882, 0.3843
CMYK	0.06, 0.01, 0.00, 0.38
HSL	187°, 4%, 60%
HSV	187°, 6%, 62%
XYZ	30.1870, 32.5072, 36.5818
YIQ	153.7220, -5.0890, -1.3850

Conversions

Conversions Part 2

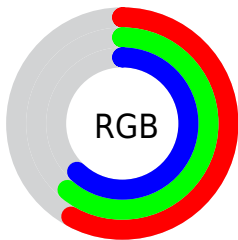
Format	Color
RYB	148, 152, 157
Decimal	9739421
CIELab	63.76, -2.65, -1.52
CIELCh	64, 3.059, 209.804
Yxy	32.5072, 0.3041, 0.3274
Android (android.graphics.Color)	4287929501 (0xFF949C9D)
YUV	153.7220, 1.6161, -5.0182
Hunter-Lab	57.0151, -5.2684, 1.8691

Details

The XYZ color **30.1870, 32.5072, 36.5818** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.9974, 30.8007, 32.3815**, and the grayscale version is **30.5889, 32.1819, 35.0461**.

A 20% lighter version of the original color is **59.2874, 63.4032, 71.4006**, and **12.5829, 13.6851, 15.6140** is the 20% darker color. If you saturate the color by 10%, you get **27.2480, 30.5627, 36.3619**, and if you desaturate by 10%, it is **33.5173, 34.6614, 36.8226**.

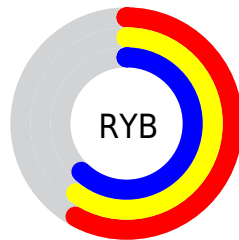
Distribution



Red (58%)

Green (61%)

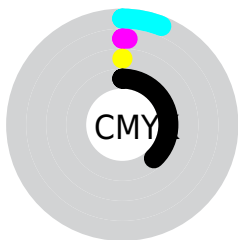
Blue (62%)



Red (58%)

Yellow (60%)

Blue (62%)

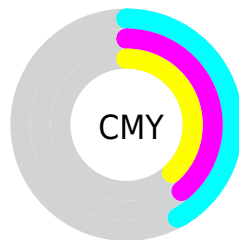


Cyan (6%)

Magenta (1%)

Yellow (0%)

Black (38%)



Cyan (42%)

Magenta (39%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1870, 32.5072, 36.5818 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 30.1870, 32.5072, 36.5818 by changing the saturation by 10% instead.

■ 30.1870, 32.5072,
36.5818

■ 30.1870, 32.5072,
36.5818

294.6693,
313.4233, 346.6104

■ 20.1293, 21.7492,
24.5906

■ 59.3424, 63.6054,
71.1082

■ 12.5979, 13.6727,
15.5561

■ 79.1708, 84.7143,
94.4806

■ 7.2273, 7.8934,
9.0596

102.9869,
110.0424, 122.4837

■ 3.6523, 4.0268,
4.6828

131.1560,
139.9740, 155.5362

■ 1.5074, 1.6886,
2.0069

164.0434,
174.8935, 194.0566

■ 0.3308, 0.4162,
0.5595

202.0145,

■ 0.0000, 0.0000,

215.1853, 238.4634

0.0000

245.4347,
261.2337, 289.1751

■ 30.1870, 32.5072,
36.5818

■ 30.1870, 32.5072,
36.5818

■ 27.2480, 30.5627,
36.3619

■ 33.5173, 34.6614,
36.8226

■ 24.6820, 28.8158,
36.1599

■ 37.2506, 37.0288,
37.0828

■ 22.4736, 27.2593,
35.9759

■ 41.4016, 39.6177,
37.3637

■ 20.6050, 25.8842,
35.8090

■ 45.9836, 42.4351,
37.6660

■ 19.0571, 24.6805,
35.6582

■ 51.0089, 45.4873,
37.9903

■ 17.8086, 23.6372,
35.5226

■ 56.4898, 48.7807,
38.3371

■ 16.8358, 22.7422,
35.4011

■ 61.3621, 51.7668,
38.6567

■ 16.1115, 21.9812,
35.2924

■ 61.6859, 52.4144,
38.7646

■ 15.5986, 21.3352,
35.1948

■ 62.0140, 53.0706,
38.8740

Harmonies

Analogous

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



30.0797, 32.5072, 35.3867



30.1870, 32.5072, 36.5818



30.4842, 32.5072, 37.4757

Triad

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



30.1870, 32.5072, 36.5818



31.6154, 32.5072, 36.5961



30.8999, 32.5072, 33.0851

Complementary

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



30.1870, 32.5072, 36.5818



29.9974, 30.8007, 32.3815

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.



31.3138, 32.5072, 33.3924



30.1870, 32.5072, 36.5818



31.7292, 32.5072, 35.4029

Square

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



30.1870, 32.5072, 36.5818



31.3088, 32.5072, 37.4841



31.6183, 32.5072, 34.2338



30.4890, 32.5072, 33.3846

Rectangle

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



30.1870, 32.5072, 36.5818



30.7514, 32.5072, 37.7707



31.6183, 32.5072, 34.2338



31.0433, 32.5072, 33.1207

Sweetspot

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



30.1879, 32.5086, 36.5825



56.1827, 59.5991, 65.6694



29.6870, 32.5771, 33.1157



12.3786, 13.1247, 14.4513



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.



30.1879, 32.5086, 36.5825



53.2831, 57.7081, 65.4572



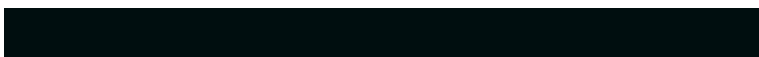
29.4624, 31.0575, 36.3407



6.8893, 7.4696, 8.4853



12.5291, 17.1498, 28.5571



0.2402, 0.3389, 0.5160

Inverse Universe

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



30.4960, 30.7487, 35.7820



53.9649, 53.8272, 63.6822



30.7072, 32.2203, 32.6181



6.9809, 6.9487, 8.2468



15.1223, 7.3535, 20.6930



0.2785, 0.1347, 0.4129

Previews

White Background



This preview shows how the XYZ color 30.1870, 32.5072, 36.5818 looks on a white background.

Color Contrast Check

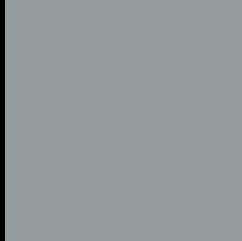
Large Text (above 18pt) WCAG AA × Fail

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 30.1870, 32.5072, 36.5818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

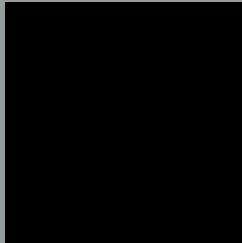
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.1870, 32.5072, 36.5818

Background



This preview shows how black text looks on a background with the XYZ color 30.1870, 32.5072, 36.5818.



This preview shows how white text looks on a background with the XYZ color 30.1870, 32.5072,

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

30.1870, 32.5072, 36.5818

Protanopia

31.4610, 32.6796, 36.1021

Deuteranopia

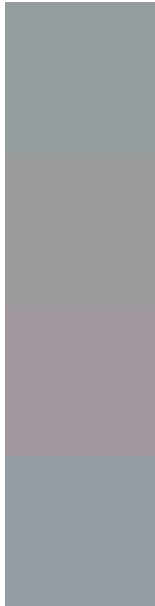
33.0143, 32.4968, 36.8802



Tritanopia

31.1083, 32.3853, 41.1706

Trichromacy



Original Color

30.1870, 32.5072, 36.5818

Protanomaly

31.0485, 32.7130, 36.1303

Deuteranomaly

31.8970, 32.3987, 36.9202

Tritanomaly

30.7266, 32.4766, 39.2995

Monochromacy



Original Color

30.1870, 32.5072, 36.5818

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.5866, 32.4846, 35.6684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1870, 32.5072, 36.5818 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(148, 156, 157) looks like.

```
.text, #text, p{  
    color:rgb(148, 156, 157)  
}
```

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(148, 156, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 156, 157) }
```

Border

The CSS property to change the border of an element to XYZ 30.1870, 32.5072, 36.5818 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(148, 156, 157) }
```


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

```
.border{ border-color:rgb(148, 156, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 156, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 156, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 156, 157);  
box-shadow:4px 4px 4px 4px rgb(148, 156,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1870, 32.5072, 36.5818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 156, 157) }
```

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

```
.background{ background-color: rgb(148,  
156, 157) }
```

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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