

Converting Colors

XYZ(30.0514, 32.4256, 35.6778)

Have a look what the booklet for
XYZ(30.0514, 32.4256, 35.6778)
contains.

XYZ(30.0176, 32.4394, 35.6897)	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(30.0176, 32.4394,
35.6897)**

Conversions

Conversions Part 1

Format	Color
Hex	949C9B
RGB	148, 156, 155
RGB Percent	58%, 61%, 61%
CMY	0.4196, 0.3882, 0.3922
CMYK	0.05, 0.00, 0.01, 0.39
HSL	172°, 4%, 60%
HSV	172°, 5%, 61%
XYZ	30.0176, 32.4394, 35.6897
YIQ	153.4940, -4.4470, -2.0070

Conversions

Conversions Part 2

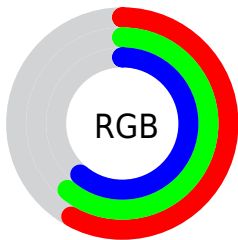
Format	Color
RYB	148, 152, 156
Decimal	9739419
CIELab	63.70, -3.05, -0.48
CIElCh	64, 3.091, 188.867
Yxy	32.4394, 0.3058, 0.3305
Android (android.graphics.Color)	4287929499 (0xFF949C9B)
YUV	153.4940, 0.7425, -4.8182
Hunter-Lab	56.9556, -5.5965, 2.7164

Details

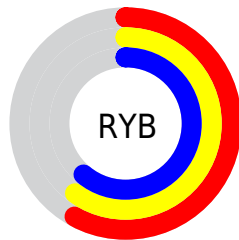
The XYZ color **30.0176, 32.4394, 35.6897** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.7262, 30.4185, 32.7399**, and the grayscale version is **30.4926, 32.0806, 34.9358**.

A 20% lighter version of the original color is **58.9123, 63.2532, 69.4257**, and **12.4800, 13.6440, 15.0725** is the 20% darker color. If you saturate the color by 10%, you get **27.2212, 31.0175, 34.7095**, and if you desaturate by 10%, it is **33.1988, 34.0612, 36.7031**.

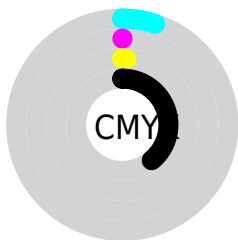
Distribution



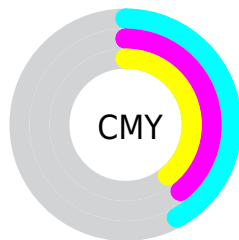
- Red (58%)
- Green (61%)
- Blue (61%)



- Red (58%)
- Yellow (60%)
- Blue (61%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (39%)



- Cyan (42%)
- Magenta (39%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0176, 32.4394, 35.6897 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 30.0176, 32.4394, 35.6897 by changing the saturation by 10% instead.

■ 30.0176, 32.4394,
35.6897

■ 30.0176, 32.4394,
35.6897

293.8948,
313.1160, 342.5985

■ 20.0001, 21.6973,
23.9068

■ 59.0764, 63.4993,
69.7165

■ 12.5034, 13.6347,
15.0530

■ 78.8485, 84.5859,
92.7975

■ 7.1621, 7.8670,
8.7095

102.6028,
109.8895, 120.4817

■ 3.6109, 4.0100,
4.4580

130.7046,
139.7945, 153.1875

■ 1.4845, 1.6791,
1.8798

163.5194,
174.6852, 191.3336

■ 0.3152, 0.4101,
0.4798

201.4124,

■ 0.0000, 0.0000,

214.9461, 235.3384

0.0000

244.7491,
260.9616, 285.6206

■ 30.0176, 32.4394,
35.6897

■ 30.0176, 32.4394,
35.6897

■ 27.2212, 31.0175,
34.7095

■ 33.1988, 34.0612,
36.7031

■ 24.7918, 29.7836,
33.7597

■ 36.7764, 35.8860,
37.7483

■ 22.7142, 28.7308,
32.8400

■ 40.7647, 37.9224,
38.8267

■ 20.9710, 27.8500,
31.9497

■ 45.1768, 40.1768,
39.9390

■ 19.5434, 27.1317,
31.0878

■ 50.0249, 42.6558,
41.0858

■ 18.4107, 26.5650,
30.2532

■ 55.3209, 45.3653,
42.2678

■ 17.5498, 26.1382,
29.4448

■ 60.2607, 47.8908,
43.4474

■ 16.9340, 25.8375,
28.6613

■ 60.4451, 47.9646,
44.4187

■ 16.5292, 25.6452,
27.9010

■ 60.6323, 48.0395,
45.4046

Harmonies

Analogous

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



30.0628, 32.4394, 34.4686



30.0176, 32.4394, 35.6897



30.1892, 32.4394, 36.8380

Triad

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



30.0176, 32.4394, 35.6897



31.3579, 32.4394, 37.2096



31.1337, 32.4394, 33.1439

Complementary

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



30.0176, 32.4394, 35.6897



29.7262, 30.4185, 32.7399

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.



31.4853, 32.4394, 33.8462



30.0176, 32.4394, 35.6897



31.6155, 32.4394, 36.1874

Square

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



30.0176, 32.4394, 35.6897



30.9612, 32.4394, 37.7289



31.6624, 32.4394, 34.9548



30.7046, 32.4394, 33.0178

Rectangle

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



30.0176, 32.4394, 35.6897



30.4043, 32.4394, 37.4009



31.6624, 32.4394, 34.9548



31.2650, 32.4394, 33.3197

Sweetspot

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



30.0185, 32.4408, 35.6904



56.2288, 59.7892, 65.3827



29.6413, 32.3123, 32.6921



12.3881, 13.1640, 14.3920



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.



30.0185, 32.4408, 35.6904



53.9864, 58.6473, 64.6419



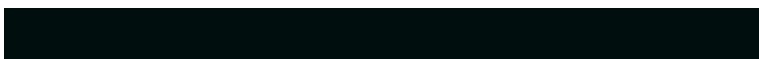
29.6166, 31.5016, 35.9736



6.9745, 7.5911, 8.3726



13.4884, 21.0633, 22.7268



0.2502, 0.3802, 0.4541

Inverse Universe

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



29.7262, 30.4185, 32.7399



53.3572, 54.2947, 58.2915



30.1126, 31.3189, 32.4755



6.8883, 6.9949, 7.5028



11.4014, 5.8651, 1.0987



0.2124, 0.1083, 0.0647

Previews

White Background



This preview shows how the XYZ color 30.0176, 32.4394, 35.6897 looks on a white background.

Color Contrast Check

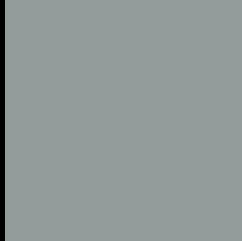
Large Text (above 18pt) WCAG AA × Fail

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 30.0176, 32.4394, 35.6897 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

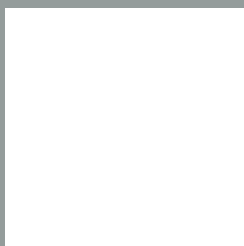
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0176, 32.4394, 35.6897

Background



This preview shows how black text looks on a background with the XYZ color 30.0176, 32.4394, 35.6897.



This preview shows how white text looks on a background with the XYZ color 30.0176, 32.4394,

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

30.0176, 32.4394, 35.6897

Protanopia

31.1286, 32.2837, 35.1626

Deuteranopia

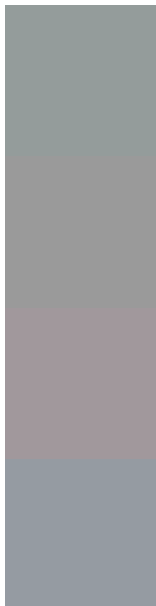
32.8966, 32.2200, 35.9377



Tritanopia

31.0162, 32.3484, 40.6855

Trichromacy



Original Color

30.0176, 32.4394, 35.6897

Protanomaly

30.7148, 32.3143, 35.1903

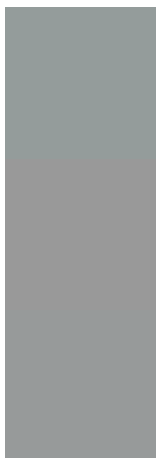
Deuteranomaly

31.9269, 32.4338, 36.0301

Tritanomaly

30.6374, 32.4409, 38.8294

Monochromacy



Original Color

30.0176, 32.4394, 35.6897

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1508, 32.0236, 35.1639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0176, 32.4394, 35.6897 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, 155) looks like.

```
.text, #text, p{  
    color:rgb(148, 156, 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(148, 156, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 156, 155) }
```

Border

The CSS property to change the border of an element to XYZ 30.0176, 32.4394, 35.6897 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, 155) }
```


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

```
.border{ border-color:rgb(148, 156, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 156, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 156, 155);  
box-shadow:4px 4px 4px 4px rgb(148, 156,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0176, 32.4394, 35.6897 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, 155) }
```

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

```
.background{ background-color: rgb(148,  
156, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor