

Converting Colors

XYZ(32.4649, 33.6781, 38.5105)

Have a look what the booklet for
XYZ(32.4649, 33.6781, 38.5105)
contains.

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Color

**XYZ(32.4220, 33.6192,
38.4986)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9CA1
RGB	158, 156, 161
RGB Percent	62%, 61%, 63%
CMY	0.3804, 0.3882, 0.3686
CMYK	0.02, 0.03, 0.00, 0.37
HSL	264°, 3%, 62%
HSV	264°, 3%, 63%
XYZ	32.4220, 33.6192, 38.4986
YIQ	157.1680, -0.4130, 1.9790

Conversions

Conversions Part 2

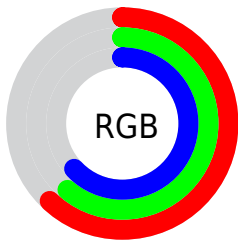
Format	Color
RYB	158, 156, 161
Decimal	10394785
CIELab	64.66, 1.69, -2.36
CIELCh	65, 2.900, 305.624
Yxy	33.6192, 0.3101, 0.3216
Android (android.graphics.Color)	4288584865 (0xFF9E9CA1)
YUV	157.1680, 1.8892, 0.7297
Hunter-Lab	57.9821, -1.6563, 1.2204

Details

The XYZ color **32.4220, 33.6192, 38.4986** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.0450, 35.2619, 36.5187**, and the grayscale version is **32.1161, 33.7886, 36.7958**.

A 20% lighter version of the original color is **62.8818, 65.1972, 74.2358**, and **13.9295, 14.3547, 16.7884** is the 20% darker color. If you saturate the color by 10%, you get **28.0706, 27.6285, 37.5721**, and if you desaturate by 10%, it is **37.2830, 40.4062, 39.5529**.

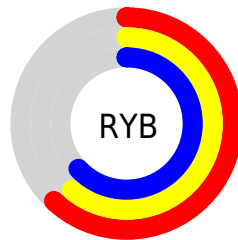
Distribution



Red (62%)

Green (61%)

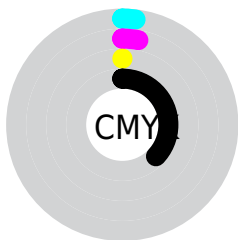
Blue (63%)



Red (62%)

Yellow (61%)

Blue (63%)

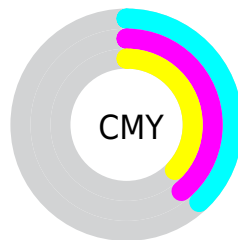


Cyan (2%)

Magenta (3%)

Yellow (0%)

Black (37%)



Cyan (38%)

Magenta (39%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4220, 33.6192, 38.4986 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 32.4220, 33.6192, 38.4986 by changing the saturation by 10% instead.

■ 32.4220, 33.6192,
38.4986

■ 32.4220, 33.6192,
38.4986

304.7484,
318.4307, 355.1161

■ 21.8411, 22.6012,
26.0651

■ 62.8328, 65.3411,
74.0836

■ 13.8562, 14.2993,
16.6461

■ 83.3935, 86.8137,
98.0721

■ 8.1017, 8.3291,
9.8232

108.0114,
112.5400, 126.7494

■ 4.2125, 4.3063,
5.1778

137.0521,
142.9045, 160.5340

■ 1.8230, 1.8463,
2.2914

170.8807,
178.2913, 199.8445

■ 0.5315, 0.5158,
0.7264

209.8628,

■ 0.0000, 0.0000,

219.0851, 245.0993

0.0000

254.3635,
265.6701, 296.7170

■ 32.4220, 33.6192,
38.4986

■ 32.4220, 33.6192,
38.4986

■ 28.0706, 27.6285,
37.5721

■ 37.2830, 40.4062,
39.5529

■ 24.2085, 22.3999,
36.7665

■ 42.6673, 48.0131,
40.7374

■ 20.8183, 17.9033,
36.0772

■ 48.5915, 56.4683,
42.0572

■ 17.8802, 14.1049,
35.4989

■ 55.0707, 65.7971,
43.5164

■ 15.3731, 10.9679,
35.0255

■ 62.1193, 76.0241,
45.1189

■ 13.2741, 8.4524,
34.6506

■ 69.7513, 87.1726,
46.8685

■ 11.5577, 6.5139,
34.3669

■ 73.4512, 90.2074,
47.2592

■ 10.1952, 5.1014,
34.1661

■ 76.5623, 91.8112,
47.4048

■ 9.1532, 4.1549,
34.0383

■ 79.8470, 93.5045,
47.5586

Harmonies

Analogous

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



32.0325, 33.6192, 38.9320



32.4220, 33.6192, 38.4986



32.6878, 33.6192, 37.5588

Triad

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



32.4220, 33.6192, 38.4986



32.2852, 33.6192, 34.5593



31.1649, 33.6192, 36.8304

Complementary

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



32.4220, 33.6192, 38.4986



33.0450, 35.2619, 36.5187

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.



31.2313, 33.6192, 35.6686



32.4220, 33.6192, 38.4986



31.8758, 33.6192, 34.3738

Square

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



32.4220, 33.6192, 38.4986



32.6084, 33.6192, 35.2880



31.4906, 33.6192, 34.7757



31.3085, 33.6192, 37.9556

Rectangle

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



32.4220, 33.6192, 38.4986



32.7579, 33.6192, 36.7806



31.4906, 33.6192, 34.7757



31.1635, 33.6192, 36.4311

Sweetspot

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



32.4230, 33.6206, 38.4993



59.8048, 62.6258, 69.3225



32.5570, 34.4672, 38.6557



13.1272, 13.7503, 15.2058



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



32.4230, 33.6206, 38.4993



57.2696, 59.1072, 68.7769



32.9032, 33.8682, 38.5218



7.4352, 7.6527, 8.9883



6.8879, 2.9573, 27.1376



0.1973, 0.0892, 0.5727

Inverse Universe

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



32.8456, 33.8587, 37.6069



58.2591, 59.6647, 66.6840



32.5703, 35.0172, 36.4965



7.5822, 7.7355, 8.6770



13.4698, 6.7440, 9.6648



0.3054, 0.1507, 0.3210

Previews

White Background



This preview shows how the XYZ color 32.4220, 33.6192, 38.4986 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 32.4220, 33.6192, 38.4986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

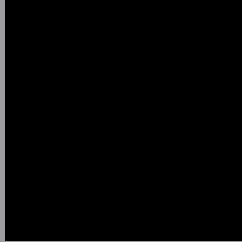
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.4220, 33.6192, 38.4986

Background



This preview shows how black text looks on a background with the XYZ color 32.4220, 33.6192, 38.4986.



This preview shows how white text looks on a background with the XYZ color 32.4220, 33.6192,

38.4986.

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

32.4220, 33.6192, 38.4986

Protanopia

32.4220, 33.6192, 38.4986

Deuteranopia

34.3274, 33.6112, 38.8608



Tritanopia

32.9945, 33.6036, 41.3064

Trichromacy



Original Color

32.4220, 33.6192, 38.4986

Protanomaly

32.4220, 33.6192, 38.4986

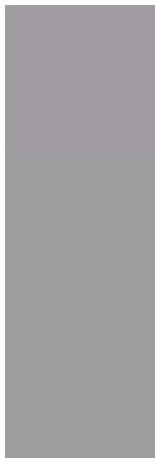
Deuteranomaly

33.6387, 33.4981, 38.8752

Tritanomaly

32.8110, 33.5302, 40.3400

Monochromacy



Original Color

32.4220, 33.6192, 38.4986

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.1332, 33.7507, 37.1687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4220, 33.6192, 38.4986 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(158, 156, 161)` looks like.

```
.text, #text, p{  
    color:rgb(158, 156, 161)  
}
```

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(158, 156, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 156, 161) }
```

Border

The CSS property to change the border of an element to XYZ 32.4220, 33.6192, 38.4986 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(158, 156, 161) }
```


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

```
.border{ border-color:rgb(158, 156, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 156, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 156, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 156, 161);  
box-shadow:4px 4px 4px 4px rgb(158, 156,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4220, 33.6192, 38.4986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 156, 161) }
```

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

```
.background{ background-color: rgb(158,  
156, 161) }
```

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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