

Converting Colors

XYZ(32.6198, 33.8958, 48.1110)

Have a look what the booklet for
XYZ(32.6198, 33.8958, 48.1110)
contains.

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Color

**XYZ(32.6778, 34.0449,
48.0290)**

Conversions

Conversions Part 1

Format	Color
Hex	949EB4
RGB	148, 158, 180
RGB Percent	58%, 62%, 71%
CMY	0.4196, 0.3804, 0.2941
CMYK	0.18, 0.12, 0.00, 0.29
HSL	221°, 18%, 64%
HSV	221°, 18%, 71%
XYZ	32.6778, 34.0449, 48.0290
YIQ	157.5180, -13.0220, 4.7220

Conversions

Conversions Part 2

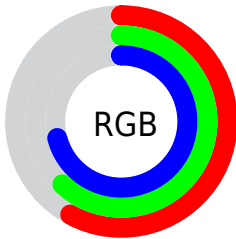
Format	Color
RYB	148, 156, 180
Decimal	9739956
CIELab	65.00, 1.14, -12.59
CIElCh	65, 12.645, 275.191
Yxy	34.0449, 0.2848, 0.2967
Android (android.graphics.Color)	4287930036 (0xFF949EB4)
YUV	157.5180, 11.0836, -8.3473
Hunter-Lab	58.3480, -2.1401, -7.9608

Details

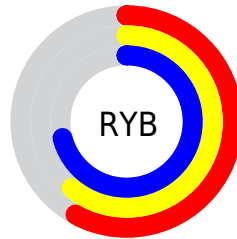
The XYZ color **32.6778, 34.0449, 48.0290** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.5426, 40.5908, 33.8211**, and the grayscale version is **32.2378, 33.9167, 36.9353**.

A 20% lighter version of the original color is **63.2917, 66.2012, 88.7992**, and **14.0182, 14.5891, 22.1558** is the 20% darker color. If you saturate the color by 10%, you get **27.6664, 28.4850, 47.2205**, and if you desaturate by 10%, it is **38.4102, 40.2937, 48.9336**.

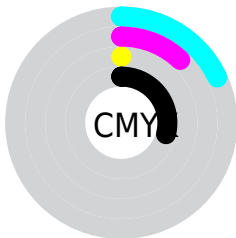
Distribution



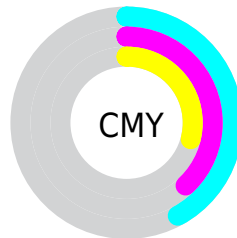
- Red (58%)
- Green (62%)
- Blue (71%)



- Red (58%)
- Yellow (61%)
- Blue (71%)



- Cyan (18%)
- Magenta (12%)
- Yellow (0%)
- Black (29%)



- Cyan (42%)
- Magenta (38%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6778, 34.0449, 48.0290 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 32.6778, 34.0449, 48.0290 by changing the saturation by 10% instead.

■ 32.6778, 34.0449,
48.0290

■ 32.6778, 34.0449,
48.0290

305.8861,
320.3322, 395.4191

■ 22.0378, 22.9281,
33.4897

■ 63.2302, 66.0035,
88.6136

■ 14.0014, 14.5404,
22.2277

■ 83.8733, 87.6141,
115.4959

■ 8.2034, 8.4975,
13.8244

108.5815,
113.4913, 147.3297

■ 4.2783, 4.4149,
7.8613

137.7202,
144.0197, 184.5335

■ 1.8607, 1.9082,
3.9198

171.6546,
179.5836, 227.5258

■ 0.5539, 0.5533,
1.5815

210.7501,

■ 0.0000, 0.0000,

220.5674, 276.7251

0.2775

255.3722,
267.3555, 332.5500

■ 0.0000, 0.0000,
0.0000

■ 32.6778, 34.0449,
48.0290

■ 32.6778, 34.0449,
48.0290

■ 27.6664, 28.4850,
47.2205

■ 38.4102, 40.2937,
48.9336

■ 23.3432, 23.5853,
46.5026

■ 44.8882, 47.2504,
49.9349

■ 19.6776, 19.3211,
45.8728

■ 52.1392, 54.9386,
51.0367

■ 16.6352, 15.6644,
45.3273

■ 60.1882, 63.3793,
52.2417

■ 14.1784, 12.5851,
44.8624

■ 69.0589, 72.5928,
53.5525

■ 12.2651, 10.0499,
44.4739

■ 78.4046, 82.4078,
54.9545

■ 10.8471, 8.0216,
44.1572

■ 82.0162, 89.6312,
56.1584

■ 9.8530, 6.4503,
43.9063

■ 85.2383, 96.0753,
57.2324

■ 9.6652, 6.1491,
43.8580

Harmonies

Analogous

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



30.9056, 34.0449, 46.9813



32.6778, 34.0449, 48.0290



34.4275, 34.0449, 45.9224

Triad

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



32.6778, 34.0449, 48.0290



35.3180, 34.0449, 31.5635



29.2709, 34.0449, 33.0024

Complementary

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



32.6778, 34.0449, 48.0290



38.5426, 40.5908, 33.8211

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.



30.3744, 34.0449, 29.4337



32.6778, 34.0449, 48.0290



33.8565, 34.0449, 28.6595

Square

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



32.6778, 34.0449, 48.0290



35.9881, 34.0449, 36.1655



32.0416, 34.0449, 27.9179



28.9818, 34.0449, 37.9876

Rectangle

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



32.6778, 34.0449, 48.0290



35.3322, 34.0449, 43.1196



32.0416, 34.0449, 27.9179



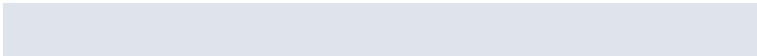
29.5568, 34.0449, 31.6129

Sweetspot

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



32.6788, 34.0463, 48.0298



72.6715, 76.3273, 89.1970



35.7777, 41.8363, 44.1542



15.5369, 16.3138, 19.2522



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



32.6788, 34.0463, 48.0298



55.8503, 57.9797, 86.5422



32.1299, 31.3328, 47.5349



8.2515, 8.6492, 10.7409



6.7995, 4.3993, 30.6278



0.2674, 0.2454, 0.9815

Inverse Universe

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



35.5847, 33.3525, 36.9115



62.0591, 56.6365, 62.7547



39.1524, 43.7952, 34.4075



8.6021, 8.5476, 9.4033



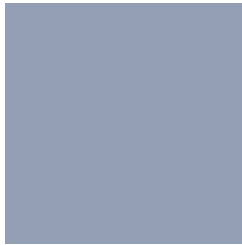
13.6667, 6.9842, 3.4049



0.4570, 0.2306, 0.2493

Previews

White Background



This preview shows how the XYZ color 32.6778, 34.0449, 48.0290 looks on a white background.

Color Contrast Check

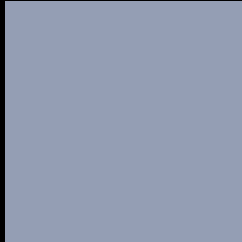
Large Text (above 18pt) WCAG AA × Fail

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 32.6778, 34.0449, 48.0290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

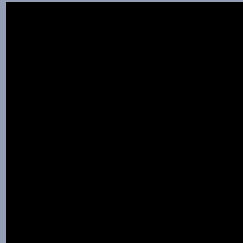
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.6778, 34.0449, 48.0290

Background



This preview shows how black text looks on a background with the XYZ color 32.6778, 34.0449, 48.0290.



This preview shows how white text looks on a background with the XYZ color 32.6778, 34.0449,

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

32.6778, 34.0449, 48.0290

Protanopia

33.3516, 33.9016, 47.4337

Deuteranopia

34.7964, 34.1288, 48.4696



Tritanopia

31.8772, 33.9779, 43.9080

Trichromacy



Original Color

32.6778, 34.0449, 48.0290

Protanomaly

33.1425, 34.0440, 47.4722

Deuteranomaly

33.9665, 33.9470, 48.4783

Tritanomaly

32.1686, 34.0945, 45.4429

Monochromacy



Original Color

32.6778, 34.0449, 48.0290

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.4362, 34.0769, 40.9443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6778, 34.0449, 48.0290 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, 158, 180)` looks like.

```
.text, #text, p{  
    color:rgb(148, 158, 180)  
}
```

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, 158, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 158, 180) }
```

Border

The CSS property to change the border of an element to XYZ 32.6778, 34.0449, 48.0290 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, 158, 180) }
```


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

```
.border{ border-color:rgb(148, 158, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 158, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 158, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 158, 180);  
box-shadow:4px 4px 4px 4px rgb(148, 158,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6778, 34.0449, 48.0290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 158, 180) }
```

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

```
.background{ background-color: rgb(148,  
158, 180) }
```

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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