

Converting Colors

XYZ(30.0714, 33.3442, 34.8297)

Have a look what the booklet for
XYZ(30.0714, 33.3442, 34.8297)
contains.

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Color

**XYZ(30.0020, 33.2072,
34.9653)**

Conversions

Conversions Part 1

Format	Color
Hex	929F99
RGB	146, 159, 153
RGB Percent	57%, 62%, 60%
CMY	0.4274, 0.3765, 0.4000
CMYK	0.08, 0.00, 0.04, 0.38
HSL	152°, 6%, 60%
HSV	152°, 8%, 62%
XYZ	30.0020, 33.2072, 34.9653
YIQ	154.4290, -5.8220, -4.6220

Conversions

Conversions Part 2

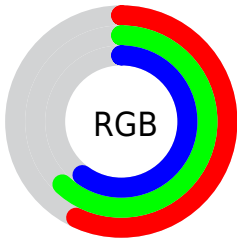
Format	Color
R_{YB}	146, 154, 159
Decimal	9609113
CIE _{Lab}	64.33, -5.80, 1.54
CIE _{LCh}	64, 6.003, 165.150
Yxy	33.2072, 0.3056, 0.3382
Android (android.graphics.Color)	4287799193 (0xFF929F99)
YUV	154.4290, -0.7045, -7.3922
Hunter-Lab	57.6257, -7.9115, 4.3628

Details

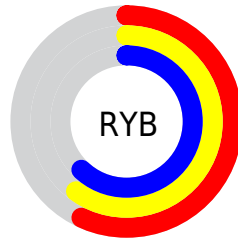
The XYZ color **30.0020, 33.2072, 34.9653** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.2457, 30.1966, 33.9419**, and the grayscale version is **30.9093, 32.5190, 35.4132**.

A 20% lighter version of the original color is **59.1285, 64.8775, 68.4377**, and **12.4802, 14.1173, 14.6375** is the 20% darker color. If you saturate the color by 10%, you get **26.7821, 31.6161, 31.7468**, and if you desaturate by 10%, it is **33.6542, 35.0187, 38.4001**.

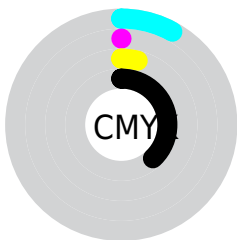
Distribution



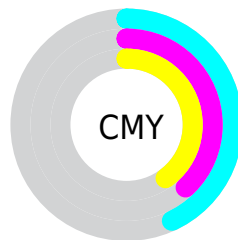
- Red (57%)
- Green (62%)
- Blue (60%)



- Red (57%)
- Yellow (60%)
- Blue (62%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (38%)



- Cyan (43%)
- Magenta (38%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0020, 33.2072, 34.9653 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 30.0020, 33.2072, 34.9653 by changing the saturation by 10% instead.

■ 30.0020, 33.2072,
34.9653

■ 30.0020, 33.2072,
34.9653

293.8234,
316.5824, 339.3147

■ 19.9882, 22.2852,
23.3528

■ 59.0519, 64.6989,
68.5830

■ 12.4947, 14.0666,
14.6465

■ 78.8188, 86.0374,
91.4252

■ 7.1561, 8.1670,
8.4278

102.5674,
111.6168, 118.8478

■ 3.6071, 4.2020,
4.2782

130.6630,
141.8216, 151.2693

■ 1.4824, 1.7872,
1.7792

163.4711,
177.0362, 189.1082

■ 0.3138, 0.4792,
0.4142

201.3569,

■ 0.0000, 0.0000,

217.6449, 232.7830

0.0000

244.6859,
264.0322, 282.7124

■ 30.0020, 33.2072,
34.9653

■ 30.0020, 33.2072,
34.9653

■ 26.7821, 31.6161,
31.7468

■ 33.6542, 35.0187,
38.4001

■ 23.9750, 30.2327,
28.7383

■ 37.7518, 37.0545,
42.0532

■ 21.5636, 29.0491,
25.9359

■ 42.3107, 39.3236,
45.9293

■ 19.5286, 28.0555,
23.3352

■ 47.3453, 41.8334,
50.0323

■ 17.8491, 27.2411,
20.9314

■ 52.8692, 44.5909,
54.3660

■ 16.5019, 26.5942,
18.7195

■ 58.8955, 47.6027,
58.9341

■ 15.4611, 26.1014,
16.6943

■ 64.5841, 50.4357,
63.7002

■ 14.6962, 25.7471,
14.8500

■ 65.4878, 50.7972,
68.4592

■ 14.1527, 25.5033,
13.1799

■ 66.4336, 51.1755,
73.4398

Harmonies

Analogous

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



30.4128, 33.2072, 32.9414



30.0020, 33.2072, 34.9653



30.0041, 33.2072, 37.3998

Triad

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



30.0020, 33.2072, 34.9653



31.9935, 33.2072, 40.8879



32.7345, 33.2072, 32.9250

Complementary

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



30.0020, 33.2072, 34.9653



30.2457, 30.1966, 33.9419

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.



33.1738, 33.2072, 34.9421



30.0020, 33.2072, 34.9653



32.7407, 33.2072, 39.5754

Square

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



30.0020, 33.2072, 34.9653



31.1436, 33.2072, 40.8948



33.1761, 33.2072, 37.3755



31.9851, 33.2072, 31.8000

Rectangle

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



30.0020, 33.2072, 34.9653



30.2390, 33.2072, 38.9320



33.1761, 33.2072, 37.3755



32.9239, 33.2072, 33.5171

Sweetspot

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



30.0029, 33.2086, 34.9660



57.6510, 61.4135, 66.3473



30.5490, 33.5550, 32.0613



13.0152, 13.8545, 14.9746



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.



30.0029, 33.2086, 34.9660



52.5078, 58.8657, 61.4268



30.4370, 33.2632, 37.6188



6.6925, 7.4578, 7.8155



11.1276, 20.1190, 10.2950



0.2202, 0.3682, 0.2960

Inverse Universe

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



30.2457, 30.1966, 33.9419



53.0425, 52.2339, 59.1719



29.8333, 30.1387, 31.4397



6.7541, 6.6945, 7.5560



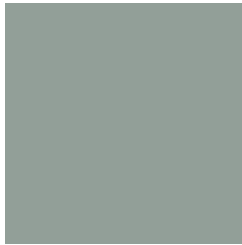
12.2743, 6.2143, 5.6952



0.2406, 0.1196, 0.2132

Previews

White Background



This preview shows how the XYZ color 30.0020, 33.2072, 34.9653 looks on a white background.

Color Contrast Check

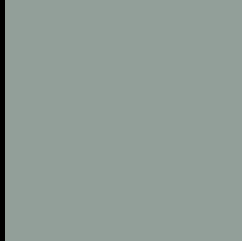
Large Text (above 18pt) WCAG AA × Fail

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 30.0020, 33.2072, 34.9653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

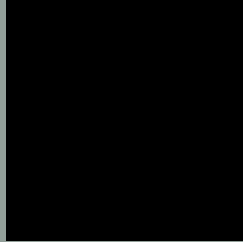
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

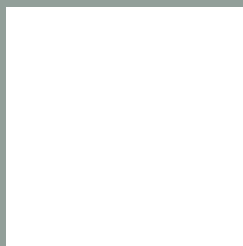
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0020, 33.2072, 34.9653

Background



This preview shows how black text looks on a background with the XYZ color 30.0020, 33.2072, 34.9653.



This preview shows how white text looks on a background with the XYZ color 30.0020, 33.2072, 34.9653.

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

30.0020, 33.2072, 34.9653

Protanopia

31.8045, 33.1506, 34.0006

Deuteranopia

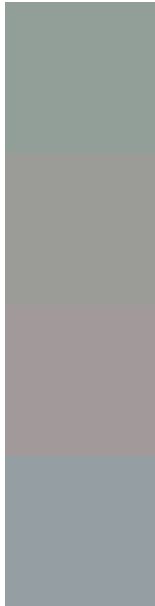
33.7776, 33.1577, 35.6302



Tritanopia

31.6128, 33.3681, 42.3106

Trichromacy



Original Color

30.0020, 33.2072, 34.9653

Protanomaly

31.0735, 33.0125, 34.4401

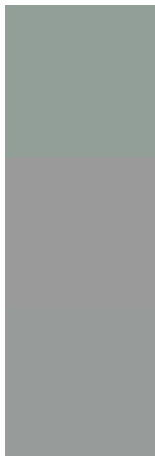
Deuteranomaly

32.2886, 33.1257, 35.2640

Tritanomaly

31.0505, 33.3940, 39.4595

Monochromacy



Original Color

30.0020, 33.2072, 34.9653

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.4837, 32.6893, 35.2749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0020, 33.2072, 34.9653 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(146, 159, 153)` looks like.

```
.text, #text, p{  
    color:rgb(146, 159, 153)  
}
```

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(146, 159, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 159, 153) }
```

Border

The CSS property to change the border of an element to XYZ 30.0020, 33.2072, 34.9653 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(146, 159, 153) }
```


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

```
.border{ border-color:rgb(146, 159, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 159, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 159, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 159, 153);  
box-shadow:4px 4px 4px 4px rgb(146, 159,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0020, 33.2072, 34.9653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 159, 153) }
```

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

```
.background{ background-color: rgb(146,  
159, 153) }
```

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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