

Converting Colors

XYZ(31.3714, 36.4994, 35.7178)

Have a look what the booklet for
XYZ(31.3714, 36.4994, 35.7178)
contains.

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Color

**XYZ(31.4393, 36.6051,
35.5455)**

Conversions

Conversions Part 1

Format	Color
Hex	90A999
RGB	144, 169, 153
RGB Percent	56%, 66%, 60%
CMY	0.4353, 0.3372, 0.4000
CMYK	0.15, 0.00, 0.09, 0.34
HSL	142°, 13%, 61%
HSV	142°, 15%, 66%
XYZ	31.4393, 36.6051, 35.5455
YIQ	159.7010, -9.7640, -10.2760

Conversions

Conversions Part 2

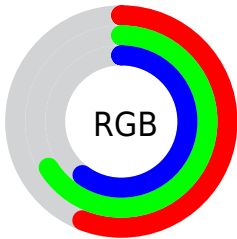
Format	Color
RYB	144, 162, 169
Decimal	9480601
CIELab	66.98, -11.88, 5.36
CIElCh	67, 13.031, 155.729
Yxy	36.6051, 0.3035, 0.3534
Android (android.graphics.Color)	4287670681 (0xFF90A999)
YUV	159.7010, -3.3036, -13.7698
Hunter-Lab	60.5021, -13.1231, 7.5182

Details

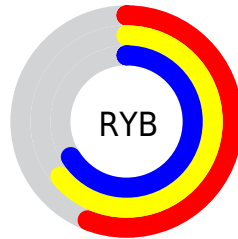
The XYZ color **31.4393, 36.6051, 35.5455** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.6818, 30.9204, 37.5049**, and the grayscale version is **33.2947, 35.0286, 38.1462**.

A 20% lighter version of the original color is **61.2068, 69.8221, 69.2825**, and **13.2738, 16.0090, 14.9608** is the 20% darker color. If you saturate the color by 10%, you get **27.8524, 34.8556, 30.9238**, and if you desaturate by 10%, it is **35.5511, 38.6179, 40.6161**.

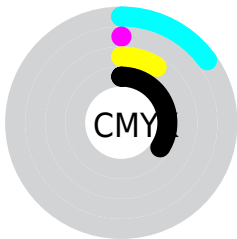
Distribution



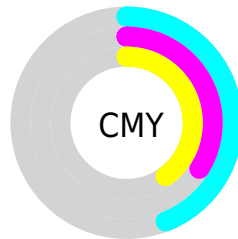
- Red (56%)
- Green (66%)
- Blue (60%)



- Red (56%)
- Yellow (64%)
- Blue (66%)



- Cyan (15%)
- Magenta (0%)
- Yellow (9%)
- Black (34%)



- Cyan (44%)
- Magenta (34%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4393, 36.6051, 35.5455 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 31.4393, 36.6051, 35.5455 by changing the saturation by 10% instead.

■ 31.4393, 36.6051,
35.5455

■ 31.4393, 36.6051,
35.5455

300.3480,
331.5976, 341.9468

■ 21.0871, 24.9019,
23.7965

■ 61.3022, 69.9650,
69.4911

■ 13.3005, 16.0040,
14.9719

■ 81.5436, 92.3905,
92.5248

■ 7.7142, 9.5270,
8.6533

105.8120,
119.1589, 120.1570

■ 3.9629, 5.0865,
4.4220

134.4729,
150.6545, 152.8065

■ 1.6812, 2.2981,
1.8596

167.8916,
187.2618, 190.8917

■ 0.4444, 0.7727,
0.4668

206.4334,

■ 0.0000, 0.0000,

229.3652, 234.8311

0.0000

250.4638,
277.3490, 285.0432

■ 31.4393, 36.6051,
35.5455

■ 31.4393, 36.6051,
35.5455

■ 27.8524, 34.8556,
30.9238

■ 35.5511, 38.6179,
40.6161

■ 24.7657, 33.3539,
26.7364

■ 40.2053, 40.8997,
46.1449

■ 22.1570, 32.0896,
22.9714

■ 45.4221, 43.4616,
52.1440

■ 20.0010, 31.0502,
19.6154

■ 51.2199, 46.3131,
58.6243

■ 18.2702, 30.2217,
16.6544

■ 57.6162, 49.4628,
65.5962

■ 16.9338, 29.5885,
14.0733

■ 64.6276, 52.9192,
73.0700

■ 15.9566, 29.1328,
11.8563

■ 69.5321, 55.2787,
80.9274

■ 15.2960, 28.8330,
9.9861

■ 71.0877, 55.9009,
89.1191

■ 15.0266, 28.7125,
9.1420

■ 72.7391, 56.5615,
97.8150

Harmonies

Analogous

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



32.6184, 36.6051, 31.6533



31.4393, 36.6051, 35.5455



31.1438, 36.6051, 40.9537

Triad

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



31.4393, 36.6051, 35.5455



35.1730, 36.6051, 51.7048



37.9713, 36.6051, 33.8294

Complementary

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



31.4393, 36.6051, 35.5455



32.6818, 30.9204, 37.5049

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.



38.7146, 36.6051, 38.7795



31.4393, 36.6051, 35.5455



37.0602, 36.6051, 49.3676

Square

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



31.4393, 36.6051, 35.5455



33.2522, 36.6051, 50.6320



38.3751, 36.6051, 44.5032



36.3787, 36.6051, 30.7302

Rectangle

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



31.4393, 36.6051, 35.5455



31.4775, 36.6051, 44.7739



38.3751, 36.6051, 44.5032



38.3315, 36.6051, 35.3134

Sweetspot

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



31.4403, 36.6066, 35.5463



64.2363, 69.4380, 73.4253



33.7706, 37.8906, 31.9197



13.8755, 15.0731, 15.8523



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.4403, 36.6066, 35.5463



53.9334, 64.3988, 60.6476



32.5050, 37.0325, 41.1531



7.5442, 8.4507, 8.5857



11.2224, 21.4077, 6.9379



0.2975, 0.5306, 0.2976

Inverse Universe

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



32.6818, 30.9204, 37.5049



56.6203, 52.0911, 64.8851



31.6620, 30.5125, 32.1346



7.7256, 7.6201, 8.8720



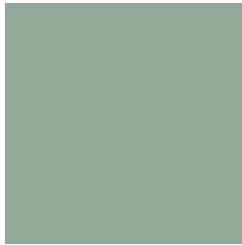
14.2448, 7.1066, 11.3664



0.3697, 0.1822, 0.3984

Previews

White Background



This preview shows how the XYZ color 31.4393, 36.6051, 35.5455 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 31.4393, 36.6051, 35.5455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

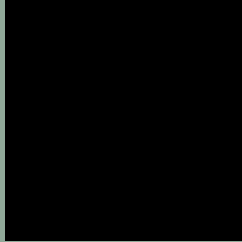
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4393, 36.6051, 35.5455

Background



This preview shows how black text looks on a background with the XYZ color 31.4393, 36.6051, 35.5455.



This preview shows how white text looks on a background with the XYZ color 31.4393, 36.6051,

35.5455.

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

31.4393, 36.6051, 35.5455

Protanopia

34.7073, 36.4456, 33.6392

Deuteranopia

37.0294, 36.3043, 36.0661



Tritanopia

33.7038, 36.4205, 47.3730

Trichromacy



Original Color

31.4393, 36.6051, 35.5455

Protanomaly

33.4574, 36.5859, 34.1525

Deuteranomaly

34.7261, 36.1477, 35.7188

Tritanomaly

32.8303, 36.3401, 42.8201

Monochromacy



Original Color

31.4393, 36.6051, 35.5455

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.5094, 35.4987, 37.0368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4393, 36.6051, 35.5455 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(144, 169, 153)` looks like.

```
.text, #text, p{  
    color:rgb(144, 169, 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(144, 169, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 169, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.4393, 36.6051, 35.5455 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(144, 169, 153) }
```


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

```
.border{ border-color:rgb(144, 169, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 169, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 169, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 169, 153);  
box-shadow:4px 4px 4px 4px rgb(144, 169,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4393, 36.6051, 35.5455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 169, 153) }
```

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

```
.background{ background-color: rgb(144,  
169, 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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