

Converting Colors

XYZ(31.0596, 32.4812, 38.1891)

Have a look what the booklet for
XYZ(31.0596, 32.4812, 38.1891)
contains.

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Color

**XYZ(31.1255, 32.4567,
38.3425)**

Conversions

Conversions Part 1

Format	Color
Hex	999AA1
RGB	153, 154, 161
RGB Percent	60%, 60%, 63%
CMY	0.4000, 0.3961, 0.3686
CMYK	0.05, 0.04, 0.00, 0.37
HSL	232°, 4%, 62%
HSV	232°, 5%, 63%
XYZ	31.1255, 32.4567, 38.3425
YIQ	154.4990, -2.8430, 1.9650

Conversions

Conversions Part 2

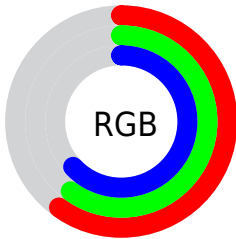
Format	Color
RYB	153, 154, 161
Decimal	10066593
CIELab	63.72, 1.02, -3.79
CIELCh	64, 3.923, 285.117
Yxy	32.4567, 0.3054, 0.3184
Android (android.graphics.Color)	4288256673 (0xFF999AA1)
YUV	154.4990, 3.2050, -1.3146
Hunter-Lab	56.9708, -2.1769, -0.0238

Details

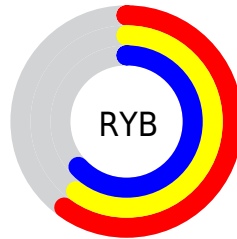
The XYZ color **31.1255, 32.4567, 38.3425** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.0186, 35.0183, 35.1565**, and the grayscale version is **30.9225, 32.5329, 35.4283**.

A 20% lighter version of the original color is **60.6827, 63.3350, 73.9923**, and **13.1442, 13.6511, 16.6940** is the 20% darker color. If you saturate the color by 10%, you get **26.1000, 26.6163, 37.4806**, and if you desaturate by 10%, it is **36.8357, 39.0567, 39.3160**.

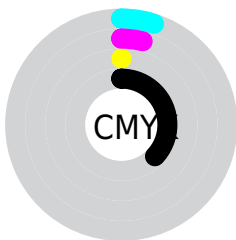
Distribution



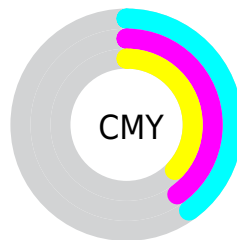
- Red (60%)
- Green (60%)
- Blue (63%)



- Red (60%)
- Yellow (60%)
- Blue (63%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (37%)



- Cyan (40%)
- Magenta (40%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1255, 32.4567, 38.3425 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 31.1255, 32.4567, 38.3425 by changing the saturation by 10% instead.

■ 31.1255, 32.4567,
38.3425

■ 31.1255, 32.4567,
38.3425

298.9326,
313.1944, 354.4291

■ 20.8467, 21.7106,
25.9447

■ 60.8121, 63.5264,
73.8420

■ 13.1238, 13.6444,
16.5569

■ 80.9506, 84.6187,
97.7809

■ 7.5915, 7.8738,
9.7605

105.1065,
109.9285, 126.4038

■ 3.8843, 4.0143,
5.1369

133.6450,
139.8403, 160.1294

■ 1.6369, 1.6815,
2.2677

166.9315,
174.7384, 199.3762

■ 0.4163, 0.4117,
0.7130

205.3314,

■ 0.0000, 0.0000,

215.0072, 244.5627

0.0000

249.2100,
261.0311, 296.1075

■ 31.1255, 32.4567,
38.3425

■ 31.1255, 32.4567,
38.3425

■ 26.1000, 26.6163,
37.4806

■ 36.8357, 39.0567,
39.3160

■ 21.7306, 21.5041,
36.7241

■ 43.2520, 46.4380,
40.4025

■ 17.9909, 17.0928,
36.0697

■ 50.3986, 54.6264,
41.6064

■ 14.8518, 13.3515,
35.5130

■ 58.2974, 63.6455,
42.9309

■ 12.2816, 10.2473,
35.0493

■ 66.9697, 73.5178,
44.3794

■ 10.2459, 7.7444,
34.6735

■ 76.4356, 84.2650,
45.9549

■ 8.7063, 5.8032,
34.3800

■ 82.6672, 93.8214,
47.4710

■ 7.6194, 4.3794,
34.1624

■ 83.4331, 95.3532,
47.7263

■ 6.9324, 3.4212,
34.0137

Harmonies

Analogous

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



30.5785, 32.4567, 38.3459



31.1255, 32.4567, 38.3425



31.6039, 32.4567, 37.5186

Triad

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



31.1255, 32.4567, 38.3425



31.6008, 32.4567, 33.2387



29.8392, 32.4567, 34.5682

Complementary

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



31.1255, 32.4567, 38.3425



33.0186, 35.0183, 35.1565

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.



30.1065, 32.4567, 33.2471



31.1255, 32.4567, 38.3425



31.1213, 32.4567, 32.4951

Square

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



31.1255, 32.4567, 38.3425



31.8805, 32.4567, 34.5565



30.5744, 32.4567, 32.4982



29.8402, 32.4567, 36.1349

Rectangle

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



31.1255, 32.4567, 38.3425



31.8176, 32.4567, 36.6285



30.5744, 32.4567, 32.4982



29.9005, 32.4567, 34.0817

Sweetspot

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



31.1264, 32.4581, 38.3432



59.6342, 62.6322, 69.3327



32.2216, 34.7983, 38.2461



13.0920, 13.7516, 15.2080



76.7382, 80.7346, 87.9200



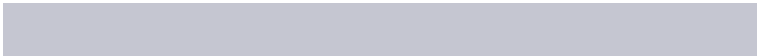
13.3056, 13.9985, 15.2444

Same Dimension

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



31.1264, 32.4581, 38.3432



54.6532, 56.8643, 68.4819



31.5222, 32.4175, 38.3145



7.1056, 7.3875, 8.9545



5.3576, 2.4946, 27.1289



0.1322, 0.0917, 0.5766

Inverse Universe

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



31.9226, 32.6933, 35.2014



56.3955, 57.3832, 61.6060



32.6088, 35.0661, 35.1873



7.3473, 7.4597, 8.0006



11.8497, 6.0960, 1.1334



0.2589, 0.1321, 0.0761

Previews

White Background



This preview shows how the XYZ color 31.1255, 32.4567, 38.3425 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 31.1255, 32.4567, 38.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

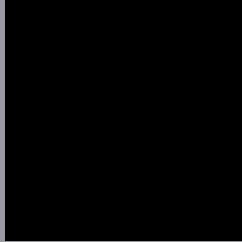
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1255, 32.4567, 38.3425

Background



This preview shows how black text looks on a background with the XYZ color 31.1255, 32.4567, 38.3425.



This preview shows how white text looks on a background with the XYZ color 31.1255, 32.4567,

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

31.1255, 32.4567, 38.3425

Protanopia

31.3418, 32.3242, 38.3055

Deuteranopia

33.1538, 32.5283, 38.7136



Tritanopia

31.5092, 32.3691, 40.1845

Trichromacy



Original Color

31.1255, 32.4567, 38.3425

Protanomaly

31.1507, 32.2257, 38.2966

Deuteranomaly

32.2861, 32.3189, 38.7189

Tritanomaly

31.4185, 32.3328, 39.7069

Monochromacy



Original Color

31.1255, 32.4567, 38.3425

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1336, 32.7470, 36.5782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1255, 32.4567, 38.3425 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(153, 154, 161)` looks like.

```
.text, #text, p{  
    color:rgb(153, 154, 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(153, 154, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 154, 161) }
```

Border

The CSS property to change the border of an element to XYZ 31.1255, 32.4567, 38.3425 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(153, 154, 161) }
```


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

```
.border{ border-color:rgb(153, 154, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 154, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 154, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 154, 161);  
box-shadow:4px 4px 4px 4px rgb(153, 154,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1255, 32.4567, 38.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 154, 161) }
```

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

```
.background{ background-color: rgb(153,  
154, 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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