

Converting Colors

XYZ(29.7977, 31.5608, 36.7637)

Have a look what the booklet for
XYZ(29.7977, 31.5608, 36.7637)
contains.

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Color

**XYZ(29.7755, 31.5470,
36.8676)**

Conversions

| Conversions Part 1 | |
|--------------------|---------------------------|
| Format | Color |
| Hex | 94999E |
| RGB | 148, 153, 158 |
| RGB Percent | 58%, 60%, 62% |
| CMY | 0.4196, 0.4000, 0.3804 |
| CMYK | 0.06, 0.03, 0.00, 0.38 |
| HSL | 210°, 5%, 60% |
| HSV | 210°, 6%, 62% |
| XYZ | 29.7755, 31.5470, 36.8676 |
| YIQ | 152.0750, -4.5850, 0.4950 |

Conversions

Conversions Part 2

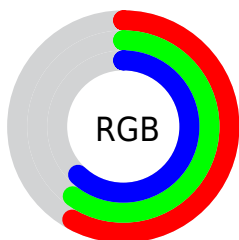
| Format | Color |
|-------------------------------------|--|
| RYB | 148, 151, 158 |
| Decimal | 9738654 |
| CIELab | 62.97, -0.79, -3.25 |
| CIELCh | 63, 3.344, 256.291 |
| Yxy | 31.5470, 0.3032, 0.3213 |
| Android (android.graphics.Color) | 4287928734 (0xFF94999E) |
| YUV | 152.0750, 2.9210, -3.5738 |
| Hunter-Lab | 56.1667, -3.6641, 0.3990 |

Details

The XYZ color **29.7755, 31.5470, 36.8676** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.8371, 32.1893, 32.6052**, and the grayscale version is **29.8673, 31.4228, 34.2194**.

A 20% lighter version of the original color is **58.6802, 61.9863, 71.8226**, and **12.3350, 13.1057, 15.7894** is the 20% darker color. If you saturate the color by 10%, you get **25.8607, 27.6742, 36.3269**, and if you desaturate by 10%, it is **34.1678, 35.7947, 37.4565**.

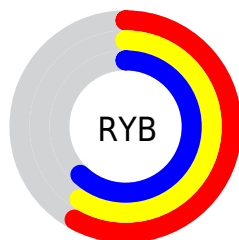
Distribution



Red (58%)

Green (60%)

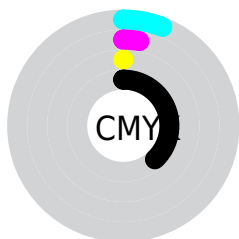
Blue (62%)



Red (58%)

Yellow (59%)

Blue (62%)

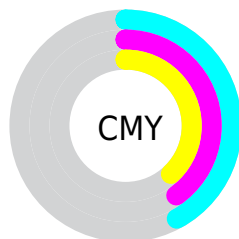


Cyan (6%)

Magenta (3%)

Yellow (0%)

Black (38%)



Cyan (42%)

Magenta (40%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7755, 31.5470, 36.8676 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 29.7755, 31.5470, 36.8676 by changing the saturation by 10% instead.


 29.7755, 31.5470,
36.8676


 29.7755, 31.5470,
36.8676


292.7852,
309.0505, 347.8884

 19.8155, 21.0157,
24.8100


 58.6960, 62.1003,
71.5532

 12.3685, 13.1355,
15.7178


 78.3872, 82.8910,
95.0182

 7.0691, 7.5219,
9.1725

102.0529,
107.8704, 123.1228

 3.5521, 3.7906,
4.7555

130.0584,
137.4228, 156.2856

 1.4520, 1.5571,
2.0483

162.7690,
171.9326, 194.9249

 0.2928, 0.3284,
0.5848

200.5501,

 0.0000, 0.0000,

211.7842, 239.4595

0.0000

243.7671,
257.3621, 290.3078

■ 29.7755, 31.5470,
36.8676

■ 29.7755, 31.5470,
36.8676

■ 25.8607, 27.6742,
36.3269

■ 34.1678, 35.7947,
37.4565

■ 22.4034, 24.1609,
35.8310

■ 39.0512, 40.4240,
38.0926

■ 19.3859, 20.9964,
35.3792

■ 44.4423, 45.4467,
38.7780

■ 16.7885, 18.1678,
34.9701

■ 50.3560, 50.8726,
39.5136

■ 14.5898, 15.6616,
34.6023

■ 56.8065, 56.7114,
40.3006

■ 12.7663, 13.4628,
34.2740

■ 63.8074, 62.9721,
41.1401

■ 11.2918, 11.5549,
33.9834

■ 70.0344, 68.9742,
41.9704

■ 10.1362, 9.9197,
33.7287

■ 72.0111, 72.9275,
42.6293

■ 9.2571, 8.5319,
33.5072

■ 74.0850, 77.0753,
43.3206

Harmonies

Analogous

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



29.3779, 31.5470, 36.2117



29.7755, 31.5470, 36.8676



30.2331, 31.5470, 36.8367

Triad

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



29.7755, 31.5470, 36.8676



30.8409, 31.5470, 33.6442



29.3501, 31.5470, 32.6298

Complementary

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



29.7755, 31.5470, 36.8676



30.8371, 32.1893, 32.6052

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.



29.7372, 31.5470, 31.9765



29.7755, 31.5470, 36.8676



30.5994, 31.5470, 32.5519

Square

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



29.7755, 31.5470, 36.8676



30.8514, 31.5470, 34.9527



30.1944, 31.5470, 31.9484



29.1340, 31.5470, 33.7529

Rectangle

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



29.7755, 31.5470, 36.8676



30.5107, 31.5470, 36.4302



30.1944, 31.5470, 31.9484



29.4644, 31.5470, 32.3492

Sweetspot

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



29.7764, 31.5483, 36.8683



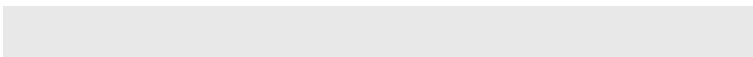
57.3867, 60.5150, 67.3994



30.1761, 33.0445, 34.8531



12.9590, 13.6636, 15.1980



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.



29.7764, 31.5483, 36.8683



52.7102, 55.9555, 66.7658



29.0008, 29.9971, 36.6098



6.5451, 6.9560, 8.4044



7.2240, 6.5396, 26.7888



0.1715, 0.2015, 0.4931

Inverse Universe

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



30.4409, 30.7494, 34.4694



54.2525, 54.1296, 61.1918



31.6448, 33.8046, 32.8745



6.7645, 6.6987, 7.6110



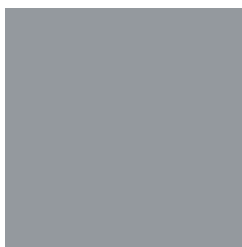
12.4446, 6.2824, 6.5920



0.2439, 0.1209, 0.2303

Previews

White Background



This preview shows how the XYZ color 29.7755, 31.5470, 36.8676 looks on a white background.

Color Contrast Check

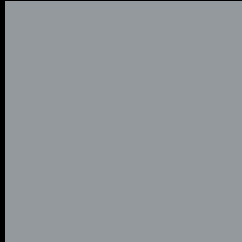
Large Text (above 18pt) WCAG AA × Fail

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 29.7755, 31.5470, 36.8676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

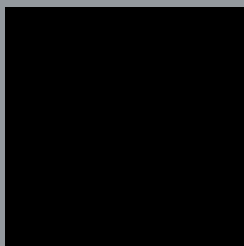
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7755, 31.5470, 36.8676

Background



This preview shows how black text looks on a background with the XYZ color 29.7755, 31.5470, 36.8676.



This preview shows how white text looks on a background with the XYZ color 29.7755, 31.5470,

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

29.7755, 31.5470, 36.8676

Protanopia

30.2893, 31.3398, 36.3511

Deuteranopia

32.1578, 31.5755, 37.2007



Tritanopia

30.3235, 31.5264, 39.6089

Trichromacy



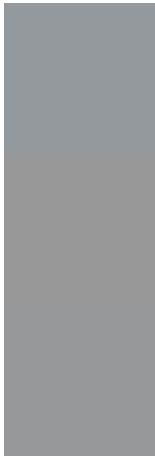
Original Color
29.7755, 31.5470, 36.8676

Protanomaly
30.0765, 31.4701, 36.3874

Deuteranomaly
31.2649, 31.5850, 37.2496

Tritanomaly
30.1442, 31.4547, 38.6650

Monochromacy



Original Color
29.7755, 31.5470, 36.8676

Achromatopsia
29.8446, 31.3989, 34.1934

Achromatomaly
29.8235, 31.3689, 35.0548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7755, 31.5470, 36.8676 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, 153, 158) looks like.

```
.text, #text, p{  
    color:rgb(148, 153, 158)  
}
```

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, 153, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 153, 158) }
```

Border

The CSS property to change the border of an element to XYZ 29.7755, 31.5470, 36.8676 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, 153, 158) }
```

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

```
.border{ border-color:rgb(148, 153, 158) }
```

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

Here you see how a box with a 4 pixel rgb(148, 153, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 153, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 153, 158);  
box-shadow:4px 4px 4px 4px rgb(148, 153,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7755, 31.5470, 36.8676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 153, 158) }
```

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

```
.background{ background-color: rgb(148,  
153, 158) }
```

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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