

Converting Colors

XYZ(29.6996, 31.6191, 37.0673)

Have a look what the booklet for
XYZ(29.6996, 31.6191, 37.0673)
contains.

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Color

**XYZ(29.5954, 31.4541,
36.8592)**

Conversions

Conversions Part 1

Format	Color
Hex	93999E
RGB	147, 153, 158
RGB Percent	58%, 60%, 62%
CMY	0.4235, 0.4000, 0.3804
CMYK	0.07, 0.03, 0.00, 0.38
HSL	207°, 5%, 60%
HSV	207°, 7%, 62%
XYZ	29.5954, 31.4541, 36.8592
YIQ	151.7760, -5.1810, 0.2830

Conversions

Conversions Part 2

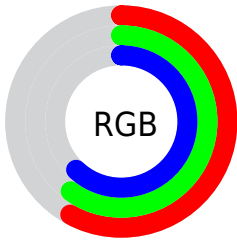
Format	Color
R_{YB}	147, 151, 158
Decimal	9673118
CIE _{Lab}	62.89, -1.14, -3.37
CIE _{LCh}	63, 3.561, 251.258
Yxy	31.4541, 0.3023, 0.3213
Android (android.graphics.Color)	4287863198 (0xFF93999E)
YUV	151.7760, 3.0684, -4.1886
Hunter-Lab	56.0840, -3.9528, 0.2925

Details

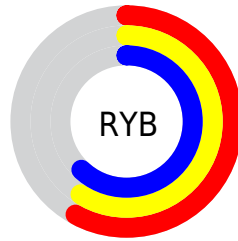
The XYZ color **29.5954, 31.4541, 36.8592** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.5954, 31.8320, 32.1359**, and the grayscale version is **29.7380, 31.2867, 34.0712**.

A 20% lighter version of the original color is **58.4105, 61.8473, 71.8099**, and **12.2291, 13.0511, 15.7845** is the 20% darker color. If you saturate the color by 10%, you get **25.8148, 27.8139, 36.3563**, and if you desaturate by 10%, it is **33.8377, 35.4390, 37.4053**.

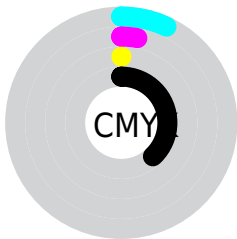
Distribution



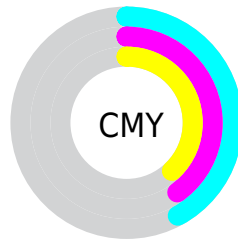
- Red (58%)
- Green (60%)
- Blue (62%)



- Red (58%)
- Yellow (59%)
- Blue (62%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (38%)



- Cyan (42%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5954, 31.4541, 36.8592 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 29.5954, 31.4541, 36.8592 by changing the saturation by 10% instead.

■ 29.5954, 31.4541,
36.8592

■ 29.5954, 31.4541,
36.8592

291.9577,
308.6249, 347.8509

■ 19.6782, 20.9449,
24.8036

■ 58.4128, 61.9543,
71.5401

■ 12.2683, 13.0837,
15.7131

■ 78.0437, 82.7141,
95.0024

■ 7.0002, 7.4862,
9.1692

101.6432,
107.6595, 123.1041

■ 3.5085, 3.7680,
4.7534

129.5767,
137.1749, 156.2636

■ 1.4280, 1.5446,
2.0471

162.2096,
171.6448, 194.8994

■ 0.2761, 0.3198,
0.5840

199.9071,

■ 0.0000, 0.0000,

211.4535, 239.4303

0.0000

243.0347,
256.9854, 290.2745

■ 29.5954, 31.4541,
36.8592

■ 29.5954, 31.4541,
36.8592

■ 25.8148, 27.8139,
36.3563

■ 33.8377, 35.4390,
37.4053

■ 22.4762, 24.5037,
35.8933

■ 38.5550, 39.7747,
37.9935

■ 19.5624, 21.5138,
35.4698

■ 43.7635, 44.4721,
38.6257

■ 17.0539, 18.8322,
35.0844

■ 49.4777, 49.5404,
39.3028

■ 14.9298, 16.4460,
34.7358

■ 55.7116, 54.9884,
40.0258

■ 13.1668, 14.3412,
34.4225

■ 62.4785, 60.8246,
40.7956

■ 11.7390, 12.5025,
34.1428

■ 68.8276, 66.5605,
41.5681

■ 10.6167, 10.9121,
33.8950

■ 70.5651, 70.0356,
42.1473

■ 9.7541, 9.5443,
33.6764

■ 72.3823, 73.6699,
42.7530

Harmonies

Analogous

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



29.1956, 31.4541, 36.0529



29.5954, 31.4541, 36.8592



30.0799, 31.4541, 36.9547

Triad

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



29.5954, 31.4541, 36.8592



30.8269, 31.4541, 33.7257



29.2810, 31.4541, 32.2655

Complementary

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



29.5954, 31.4541, 36.8592



30.5954, 31.8320, 32.1359

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.



29.7132, 31.4541, 31.6771



29.5954, 31.4541, 36.8592



30.6078, 31.4541, 32.5047

Square

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



29.5954, 31.4541, 36.8592



30.7945, 31.4541, 35.1198



30.1990, 31.4541, 31.7634



29.0155, 31.4541, 33.3911

Rectangle

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



29.5954, 31.4541, 36.8592



30.3862, 31.4541, 36.5995



30.1990, 31.4541, 31.7634



29.4114, 31.4541, 31.9997

Sweetspot

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



29.5963, 31.4554, 36.8599



57.4314, 60.6045, 67.4143



29.9234, 32.9227, 34.4624



12.9685, 13.6827, 15.2012



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.



29.5963, 31.4554, 36.8599



52.8824, 56.2999, 66.8232



28.7242, 29.7111, 36.5692



6.5696, 7.0049, 8.4125



7.6615, 7.4146, 26.9346



0.1790, 0.2166, 0.4956

Inverse Universe

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



30.2848, 30.4371, 34.4173



54.3394, 54.1643, 61.6495



31.5008, 33.6427, 32.4377



6.7768, 6.7037, 7.6759



12.6654, 6.3707, 7.7549



0.2477, 0.1224, 0.2503

Previews

White Background



This preview shows how the XYZ color 29.5954, 31.4541, 36.8592 looks on a white background.

Color Contrast Check

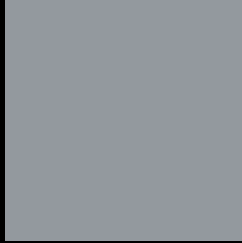
Large Text (above 18pt) WCAG AA × Fail

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 29.5954, 31.4541, 36.8592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

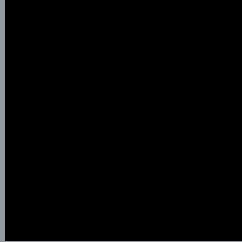
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5954, 31.4541, 36.8592

Background



This preview shows how black text looks on a background with the XYZ color 29.5954, 31.4541, 36.8592.



This preview shows how white text looks on a background with the XYZ color 29.5954, 31.4541,

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

29.5954, 31.4541, 36.8592

Protanopia

30.2893, 31.3398, 36.3511

Deuteranopia

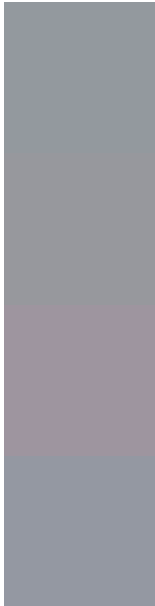
32.0016, 31.2632, 37.1486



Tritanopia

30.1418, 31.4327, 39.6004

Trichromacy



Original Color

29.5954, 31.4541, 36.8592

Protanomaly

30.0765, 31.4701, 36.3874

Deuteranomaly

31.1060, 31.2672, 37.1966

Tritanomaly

29.9626, 31.3610, 38.6565

Monochromacy



Original Color

29.5954, 31.4541, 36.8592

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.6386, 31.2736, 35.0461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5954, 31.4541, 36.8592 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(147, 153, 158)` looks like.

```
.text, #text, p{  
    color:rgb(147, 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(147, 153, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 153, 158) }
```

Border

The CSS property to change the border of an element to XYZ 29.5954, 31.4541, 36.8592 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(147, 153, 158) }
```


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

```
.border{ border-color:rgb(147, 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(147, 153, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 153, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 153, 158);  
box-shadow:4px 4px 4px 4px rgb(147, 153,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5954, 31.4541, 36.8592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 153, 158) }
```

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

```
.background{ background-color: rgb(147,  
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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