

Converting Colors

XYZ(29.4266, 31.6638, 35.7048)

Have a look what the booklet for
XYZ(29.4266, 31.6638, 35.7048)
contains.

XYZ(29.3261, 31.5888, 35.5619)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.3261, 31.5888,
35.5619)**

Conversions

Conversions Part 1

Format	Color
Hex	929A9B
RGB	146, 154, 155
RGB Percent	57%, 60%, 61%
CMY	0.4274, 0.3961, 0.3922
CMYK	0.06, 0.01, 0.00, 0.39
HSL	187°, 4%, 59%
HSV	187°, 6%, 61%
XYZ	29.3261, 31.5888, 35.5619
YIQ	151.7220, -5.0890, -1.3850

Conversions

Conversions Part 2

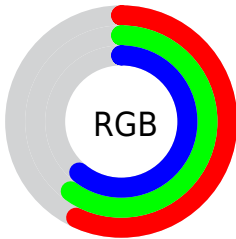
Format	Color
R_{YB}	146, 150, 155
Decimal	9607835
CIE _{Lab}	63.00, -2.66, -1.52
CIE _{LCh}	63, 3.065, 209.802
Yxy	31.5888, 0.3040, 0.3274
Android (android.graphics.Color)	4287797915 (0xFF929A9B)
YUV	151.7220, 1.6161, -5.0182
Hunter-Lab	56.2039, -5.2191, 1.8282

Details

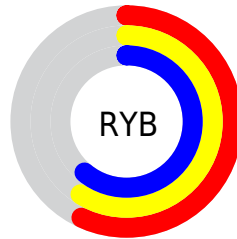
The XYZ color **29.3261, 31.5888, 35.5619** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1397, 29.9111, 31.4323**, and the grayscale version is **29.7208, 31.2686, 34.0515**.

A 20% lighter version of the original color is **57.8839, 61.9946, 69.2369**, and **12.1728, 13.1868, 15.0004** is the 20% darker color. If you saturate the color by 10%, you get **26.4742, 29.7016, 35.3484**, and if you desaturate by 10%, it is **32.5575, 33.6794, 35.7956**.

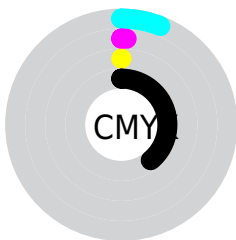
Distribution



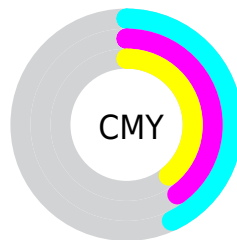
- Red (57%)
- Green (60%)
- Blue (61%)



- Red (57%)
- Yellow (59%)
- Blue (61%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (39%)



- Cyan (43%)
- Magenta (40%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3261, 31.5888, 35.5619 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 29.3261, 31.5888, 35.5619 by changing the saturation by 10% instead.

■ 29.3261, 31.5888,
35.5619

■ 29.3261, 31.5888,
35.5619

290.7170,
309.2418, 342.0209

■ 19.4732, 21.0476,
23.8090

■ 57.9888, 62.1659,
69.5167

■ 12.1187, 13.1588,
14.9811

■ 77.5292, 82.9706,
92.5558

■ 6.8973, 7.5380,
8.6597

101.0296,
107.9653, 120.1940

■ 3.4437, 3.8008,
4.4261

128.8552,
137.5343, 152.8499

■ 1.3925, 1.5628,
1.8619

161.3713,
172.0621, 190.9419

■ 0.2509, 0.3323,
0.4683

198.9435,

■ 0.0000, 0.0000,

211.9330, 234.8888

0.0000

241.9369,
257.5314, 285.1089

■ 29.3261, 31.5888,
35.5619

■ 29.3261, 31.5888,
35.5619

■ 26.4742, 29.7016,
35.3484

■ 32.5575, 33.6794,
35.7956

■ 23.9841, 28.0061,
35.1524

■ 36.1797, 35.9767,
36.0481

■ 21.8408, 26.4952,
34.9737

■ 40.2071, 38.4889,
36.3207

■ 20.0272, 25.1603,
34.8117

■ 44.6523, 41.2226,
36.6141

■ 18.5245, 23.9916,
34.6653

■ 49.5277, 44.1841,
36.9288

■ 17.3123, 22.9786,
34.5336

■ 54.8447, 47.3796,
37.2653

■ 16.3676, 22.1093,
34.4157

■ 60.6147, 50.8146,
37.6243

■ 15.6638, 21.3701,
34.3101

■ 61.1121, 51.5378,
37.7376

■ 15.1647, 20.7422,
34.2152

■ 61.4307, 52.1750,
37.8438

Harmonies

Analogous

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



29.2207, 31.5888, 34.3868



29.3261, 31.5888, 35.5619



29.6182, 31.5888, 36.4411

Triad

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



29.3261, 31.5888, 35.5619



30.7305, 31.5888, 35.5761



30.0270, 31.5888, 32.1246

Complementary

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



29.3261, 31.5888, 35.5619



29.1397, 29.9111, 31.4323

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.



30.4339, 31.5888, 32.4266



29.3261, 31.5888, 35.5619



30.8423, 31.5888, 34.4029

Square

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



29.3261, 31.5888, 35.5619



30.4290, 31.5888, 36.4495



30.7333, 31.5888, 33.2536



29.6230, 31.5888, 32.4189

Rectangle

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



29.3261, 31.5888, 35.5619



29.8809, 31.5888, 36.7313



30.7333, 31.5888, 33.2536



30.1680, 31.5888, 32.1596

Sweetspot

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



29.3270, 31.5901, 35.5626



54.6195, 57.9404, 63.8412



28.8345, 31.6576, 32.1540



12.3786, 13.1247, 14.4513



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



29.3270, 31.5901, 35.5626



51.8027, 56.1034, 63.6350



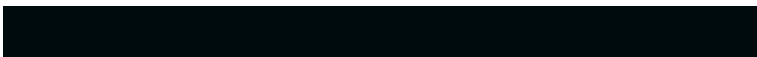
28.6136, 30.1634, 35.3248



6.4474, 6.9894, 7.9382



12.0488, 16.4943, 27.4564



0.1946, 0.2756, 0.4153

Inverse Universe

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



29.6299, 29.8601, 34.7754



52.4651, 52.3335, 61.9107



29.8375, 31.3066, 31.6649



6.5327, 6.5044, 7.7162



14.5404, 7.0704, 19.9028



0.2247, 0.1086, 0.3361

Previews

White Background



This preview shows how the XYZ color 29.3261, 31.5888, 35.5619 looks on a white background.

Color Contrast Check

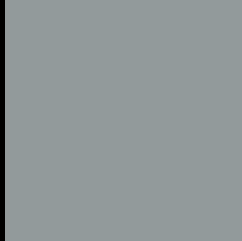
Large Text (above 18pt) WCAG AA × Fail

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 29.3261, 31.5888, 35.5619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

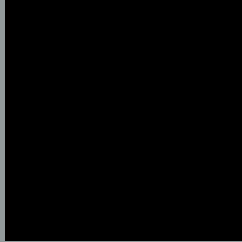
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

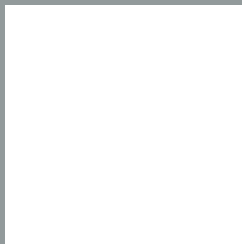
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3261, 31.5888, 35.5619

Background



This preview shows how black text looks on a background with the XYZ color 29.3261, 31.5888, 35.5619.



This preview shows how white text looks on a background with the XYZ color 29.3261, 31.5888,

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

29.3261, 31.5888, 35.5619

Protanopia

30.5785, 31.7581, 35.0901

Deuteranopia

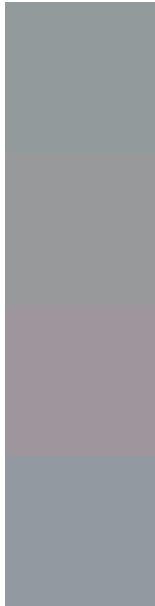
32.1077, 31.5794, 35.8557



Tritanopia

30.3955, 31.7950, 40.1323

Trichromacy



Original Color

29.3261, 31.5888, 35.5619

Protanomaly

30.1729, 31.7910, 35.1178

Deuteranomaly

31.0076, 31.4821, 35.8949

Tritanomaly

29.8569, 31.5587, 38.2360

Monochromacy



Original Color

29.3261, 31.5888, 35.5619

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.7187, 31.5664, 34.6636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3261, 31.5888, 35.5619 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, 154, 155) looks like.

```
.text, #text, p{  
    color:rgb(146, 154, 155)  
}
```

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, 154, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 154, 155) }
```

Border

The CSS property to change the border of an element to XYZ 29.3261, 31.5888, 35.5619 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, 154, 155) }
```


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

```
.border{ border-color:rgb(146, 154, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 154, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 154, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 154, 155);  
box-shadow:4px 4px 4px 4px rgb(146, 154,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3261, 31.5888, 35.5619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 154, 155) }
```

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

```
.background{ background-color: rgb(146,  
154, 155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor