

Converting Colors

XYZ(29.6627, 30.4483, 35.1109)

Have a look what the booklet for
XYZ(29.6627, 30.4483, 35.1109)
contains.

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Color

**XYZ(29.6432, 30.3187,
35.3001)**

Conversions

Conversions Part 1

Format	Color
Hex	99949B
RGB	153, 148, 155
RGB Percent	60%, 58%, 61%
CMY	0.4000, 0.4196, 0.3922
CMYK	0.01, 0.05, 0.00, 0.39
HSL	283°, 3%, 59%
HSV	283°, 5%, 61%
XYZ	29.6432, 30.3187, 35.3001
YIQ	150.2930, 0.7330, 3.2370

Conversions

Conversions Part 2

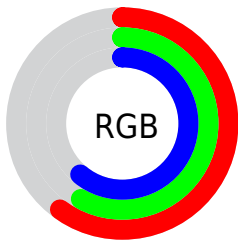
Format	Color
RYB	153, 148, 155
Decimal	10065051
CIELab	61.93, 3.18, -3.04
CIElCh	62, 4.396, 316.333
Yxy	30.3187, 0.3112, 0.3183
Android (android.graphics.Color)	4288255131 (0xFF99949B)
YUV	150.2930, 2.3206, 2.3740
Hunter-Lab	55.0624, -0.2626, 0.5333

Details

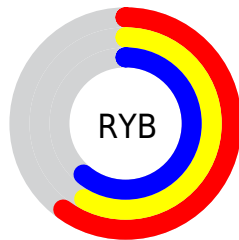
The XYZ color **29.6432, 30.3187, 35.3001** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.6455, 32.0657, 32.6453**, and the grayscale version is **29.1048, 30.6206, 33.3458**.

A 20% lighter version of the original color is **58.3613, 60.1099, 68.8480**, and **12.2529, 12.3736, 14.8393** is the 20% darker color. If you saturate the color by 10%, you get **26.5525, 25.3553, 34.5054**, and if you desaturate by 10%, it is **33.0923, 35.9518, 36.2061**.

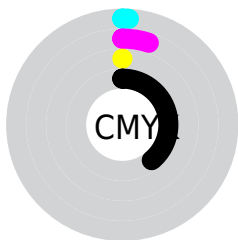
Distribution



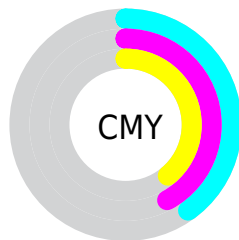
- Red (60%)
- Green (58%)
- Blue (61%)



- Red (60%)
- Yellow (58%)
- Blue (61%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (39%)



- Cyan (40%)
- Magenta (42%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6432, 30.3187, 35.3001 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 29.6432, 30.3187, 35.3001 by changing the saturation by 10% instead.

■ 29.6432, 30.3187,
35.3001

■ 29.6432, 30.3187,
35.3001

292.1775,
303.3872, 340.8354

■ 19.7146, 20.0806,
23.6087

■ 58.4880, 60.1658,
69.1072

■ 12.2948, 12.4537,
14.8341

■ 78.1349, 80.5436,
92.0601

■ 7.0184, 7.0534,
8.5577

101.7520,
105.0702, 119.6039

■ 3.5201, 3.4955,
4.3610

129.7046,
134.1298, 152.1571

■ 1.4344, 1.3956,
1.8254

162.3581,
168.1069, 190.1383

■ 0.2805, 0.2135,
0.4446

200.0779,

■ 0.0000, 0.0000,

207.3859, 233.9661

0.0000

243.2292,
252.3512, 284.0589

■ 29.6432, 30.3187,
35.3001

■ 29.6432, 30.3187,
35.3001

■ 26.5525, 25.3553,
34.5054

■ 33.0923, 35.9518,
36.2061

■ 23.8044, 21.0320,
33.8158

■ 36.9095, 42.2753,
37.2254

■ 21.3858, 17.3224,
33.2272

■ 41.1077, 49.3135,
38.3627

■ 19.2815, 14.1969,
32.7349

■ 45.6981, 57.0885,
39.6215

■ 17.4752, 11.6235,
32.3333

■ 50.6915, 65.6216,
41.0053

■ 15.9492, 9.5669,
32.0168

■ 56.0982, 74.9330,
42.5176

■ 14.6833, 7.9878,
31.7787

■ 61.4465, 84.0784,
44.0010

■ 13.6548, 6.8408,
31.6115

■ 62.5246, 84.6342,
44.0515

■ 12.8356, 6.0705,
31.5060

■ 63.6362, 85.2072,
44.1035

Harmonies

Analogous

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



29.1364, 30.3187, 36.2200



29.6432, 30.3187, 35.3001



29.9304, 30.3187, 33.7834

Triad

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



29.6432, 30.3187, 35.3001



29.0852, 30.3187, 29.9625



27.7449, 30.3187, 33.9315

Complementary

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



29.6432, 30.3187, 35.3001



29.6455, 32.0657, 32.6453

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.



27.7316, 30.3187, 32.2522



29.6432, 30.3187, 35.3001



28.5000, 30.3187, 29.9990

Square

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



29.6432, 30.3187, 35.3001



29.6053, 30.3187, 30.7231



28.0063, 30.3187, 30.8248



28.0429, 30.3187, 35.4117

Rectangle

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



29.6432, 30.3187, 35.3001



29.9562, 30.3187, 32.6558



28.0063, 30.3187, 30.8248



27.7071, 30.3187, 33.3706

Sweetspot

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



29.6441, 30.3200, 35.3008



55.1730, 57.6859, 63.7629



29.0527, 30.5084, 35.3683



12.4965, 13.0706, 14.4346



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.



29.6441, 30.3200, 35.3008



52.7484, 53.7483, 63.1306



29.9079, 30.4695, 34.7031



6.5499, 6.6553, 7.8684



10.0259, 4.6196, 25.2709



0.1850, 0.0872, 0.3794

Inverse Universe

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



29.6136, 30.3518, 33.1534



52.6882, 53.8130, 58.8000



29.3920, 31.9221, 33.2153



6.5419, 6.6641, 7.2835



11.2418, 5.7510, 2.5326



0.1823, 0.0917, 0.1127

Previews

White Background



This preview shows how the XYZ color 29.6432, 30.3187, 35.3001 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 29.6432, 30.3187, 35.3001 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

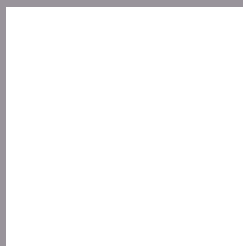
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6432, 30.3187, 35.3001

Background



This preview shows how black text looks on a background with the XYZ color 29.6432, 30.3187, 35.3001.



This preview shows how white text looks on a background with the XYZ color 29.6432, 30.3187,

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

29.6432, 30.3187, 35.3001

Protanopia

29.4263, 30.4408, 35.3351

Deuteranopia

30.8241, 30.2282, 35.6625



Tritanopia

30.0182, 30.2407, 37.0558

Trichromacy



Original Color

29.6432, 30.3187, 35.3001

Protanomaly

29.6127, 30.5369, 35.3438

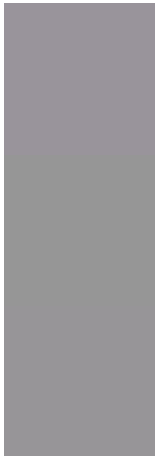
Deuteranomaly

30.3802, 30.2272, 35.6857

Tritanomaly

29.9317, 30.2061, 36.6005

Monochromacy



Original Color

29.6432, 30.3187, 35.3001

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.1774, 30.3412, 34.0244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6432, 30.3187, 35.3001 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, 148, 155)` looks like.

```
.text, #text, p{  
    color:rgb(153, 148, 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(153, 148, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 148, 155) }
```

Border

The CSS property to change the border of an element to XYZ 29.6432, 30.3187, 35.3001 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, 148, 155) }
```


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

```
.border{ border-color:rgb(153, 148, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 148, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 148, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 148, 155);  
box-shadow:4px 4px 4px 4px rgb(153, 148,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6432, 30.3187, 35.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 148, 155) }
```

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

```
.background{ background-color: rgb(153,  
148, 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](#).

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