

Converting Colors

XYZ(29.8946, 32.3225, 36.0973)

Have a look what the booklet for
XYZ(29.8946, 32.3225, 36.0973)
contains.

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Color

**XYZ(29.9218, 32.3803,
36.1255)**

Conversions

Conversions Part 1

Format	Color
Hex	939C9C
RGB	147, 156, 156
RGB Percent	58%, 61%, 61%
CMY	0.4235, 0.3882, 0.3882
CMYK	0.06, 0.00, 0.00, 0.39
HSL	180°, 4%, 59%
HSV	180°, 6%, 61%
XYZ	29.9218, 32.3803, 36.1255
YIQ	153.3090, -5.3640, -1.9080

Conversions

Conversions Part 2

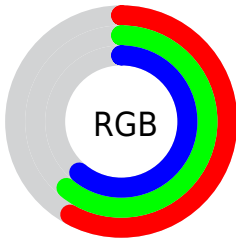
Format	Color
RYB	147, 152, 156
Decimal	9673884
CIELab	63.66, -3.21, -1.12
CIElCh	64, 3.398, 199.229
Yxy	32.3803, 0.3040, 0.3290
Android (android.graphics.Color)	4287863964 (0xFF939C9C)
YUV	153.3090, 1.3267, -5.5330
Hunter-Lab	56.9037, -5.7204, 2.1921

Details

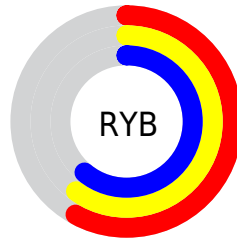
The XYZ color **29.9218, 32.3803, 36.1255** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.4116, 30.0427, 31.8538**, and the grayscale version is **30.4097, 31.9934, 34.8408**.

A 20% lighter version of the original color is **58.7668, 63.1638, 70.0673**, and **12.4252, 13.6099, 15.3367** is the 20% darker color. If you saturate the color by 10%, you get **27.3118, 31.0357, 36.0020**, and if you desaturate by 10%, it is **32.9131, 33.9232, 36.2682**.

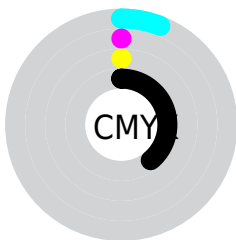
Distribution



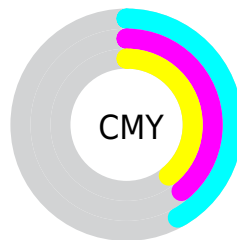
- Red (58%)
- Green (61%)
- Blue (61%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9218, 32.3803, 36.1255 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 29.9218, 32.3803, 36.1255 by changing the saturation by 10% instead.

■ 29.9218, 32.3803,
36.1255

■ 29.9218, 32.3803,
36.1255

293.4561,
312.8480, 344.5627

■ 19.9270, 21.6521,
24.2407

■ 58.9260, 63.4068,
70.3970

■ 12.4500, 13.6015,
15.2984

■ 78.6661, 84.4739,
93.6207

■ 7.1253, 7.8440,
8.8801

102.3853,
109.7562, 121.4611

■ 3.5876, 3.9953,
4.5673

130.4490,
139.6380, 154.3367

■ 1.4716, 1.6709,
1.9415

163.2226,
174.5036, 192.6662

■ 0.3064, 0.4047,
0.5189

201.0715,

■ 0.0000, 0.0000,

214.7376, 236.8680

0.0000

244.3608,
260.7243, 287.3607

■ 29.9218, 32.3803,
36.1255

■ 29.9218, 32.3803,
36.1255

■ 27.3118, 31.0357,
36.0020

■ 32.9131, 33.9232,
36.2682

■ 25.0651, 29.8776,
35.8949

■ 36.2971, 35.6677,
36.4285

■ 23.1665, 28.8988,
35.8040

■ 40.0884, 37.6222,
36.6080

■ 21.5985, 28.0905,
35.7286

■ 44.3000, 39.7932,
36.8071

■ 20.3422, 27.4430,
35.6678

■ 48.9441, 42.1873,
37.0264

■ 19.3769, 26.9454,
35.6207

■ 54.0325, 44.8105,
37.2665

■ 18.6792, 26.5857,
35.5860

■ 59.1326, 47.4396,
37.5072

■ 18.2221, 26.3502,
35.5626

■ 59.1330, 47.4398,
37.5093

■ 17.9691, 26.2197,
35.5488

■ 59.1334, 47.4399,
37.5113

Harmonies

Analogous

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



29.8876, 32.3803, 34.7698



29.9218, 32.3803, 36.1255



30.1837, 32.3803, 37.2758

Triad

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



29.9218, 32.3803, 36.1255



31.4737, 32.3803, 36.9933



30.9476, 32.3803, 32.7479

Complementary

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



29.9218, 32.3803, 36.1255



29.4116, 30.0427, 31.8538

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.



31.3771, 32.3803, 33.3118



29.9218, 32.3803, 36.1255



31.6829, 32.3803, 35.7480

Square

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



29.9218, 32.3803, 36.1255



31.0784, 32.3803, 37.7856



31.6473, 32.3803, 34.4018



30.4766, 32.3803, 32.8431

Rectangle

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



29.9218, 32.3803, 36.1255



30.4536, 32.3803, 37.7604



31.6473, 32.3803, 34.4018



31.1017, 32.3803, 32.8661

Sweetspot

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



29.9227, 32.3817, 36.1262



56.2899, 59.8137, 65.7044



29.2153, 32.1018, 32.2606



12.4007, 13.1691, 14.4585



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.



29.9227, 32.3817, 36.1262



53.6568, 58.4563, 65.5793



29.2057, 30.9473, 35.8883



6.9396, 7.5702, 8.5018



14.7321, 21.5608, 29.2760



0.2634, 0.3855, 0.5236

Inverse Universe

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



29.4116, 30.0427, 31.8538



52.5188, 53.2488, 56.0673



30.1009, 31.4217, 32.0826



6.7868, 6.8710, 7.2247



11.2933, 5.8219, 0.5297



0.2019, 0.1041, 0.0096

Previews

White Background



This preview shows how the XYZ color 29.9218, 32.3803, 36.1255 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 29.9218, 32.3803, 36.1255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

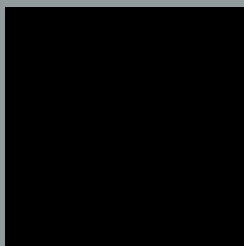
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

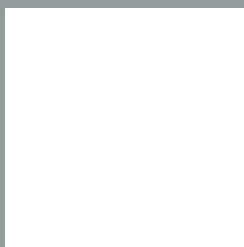
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9218, 32.3803, 36.1255

Background



This preview shows how black text looks on a background with the XYZ color 29.9218, 32.3803, 36.1255.



This preview shows how white text looks on a background with the XYZ color 29.9218, 32.3803,

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

29.9218, 32.3803, 36.1255

Protanopia

31.1286, 32.2837, 35.1626

Deuteranopia

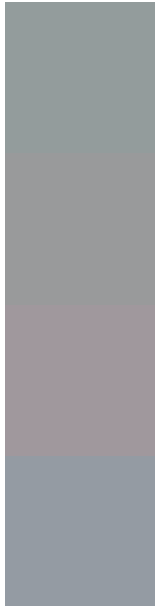
32.7696, 32.1447, 36.3757



Tritanopia

30.9251, 32.2908, 41.1620

Trichromacy



Original Color

29.9218, 32.3803, 36.1255

Protanomaly

30.6089, 32.2501, 35.6220

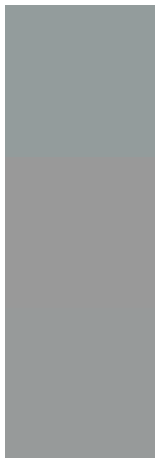
Deuteranomaly

31.8112, 32.3644, 36.4686

Tritanomaly

30.5449, 32.3829, 39.2910

Monochromacy



Original Color

29.9218, 32.3803, 36.1255

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1508, 32.0236, 35.1639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9218, 32.3803, 36.1255 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, 156, 156)` looks like.

```
.text, #text, p{  
    color:rgb(147, 156, 156)  
}
```

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, 156, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 156, 156) }
```

Border

The CSS property to change the border of an element to XYZ 29.9218, 32.3803, 36.1255 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, 156, 156) }
```


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

```
.border{ border-color:rgb(147, 156, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 156, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 156, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 156, 156);  
box-shadow:4px 4px 4px 4px rgb(147, 156,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9218, 32.3803, 36.1255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 156, 156) }
```

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

```
.background{ background-color: rgb(147,  
156, 156) }
```

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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