

Converting Colors

XYZ(29.6360, 33.4705, 49.6982)

Have a look what the booklet for
XYZ(29.6360, 33.4705, 49.6982)
contains.

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Color

**XYZ(29.6360, 33.4705,
49.6982)**

Conversions

Conversions Part 1

Format	Color
Hex	7BA2B7
RGB	123, 162, 183
RGB Percent	48%, 64%, 72%
CMY	0.5176, 0.3647, 0.2823
CMYK	0.33, 0.11, 0.00, 0.28
HSL	201°, 29%, 60%
HSV	201°, 33%, 72%
XYZ	29.6360, 33.4705, 49.6982
YIQ	152.7330, -29.9850, -1.7370

Conversions

Conversions Part 2

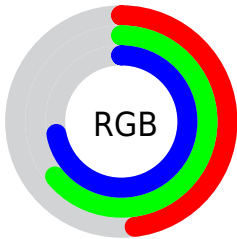
Format	Color
R_{YB}	123, 147, 183
Decimal	8102583
CIE _{Lab}	64.54, -8.11, -15.13
CIE _{LCh}	65, 17.162, 241.816
Yxy	33.4705, 0.2627, 0.2967
Android (android.graphics.Color)	4286292663 (0xFF7BA2B7)
YUV	152.7330, 14.9216, -26.0758
Hunter-Lab	57.8537, -9.8060, -10.4344

Details

The XYZ color **29.6360, 33.4705, 49.6982** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.0775, 31.4445, 23.0660**, and the grayscale version is **30.1097, 31.6777, 34.4971**.

A 20% lighter version of the original color is **58.5243, 65.2048, 91.1626**, and **12.2777, 14.1413, 23.2015** is the 20% darker color. If you saturate the color by 10%, you get **26.1594, 30.0466, 49.2211**, and if you desaturate by 10%, it is **33.6615, 37.2643, 50.2189**.

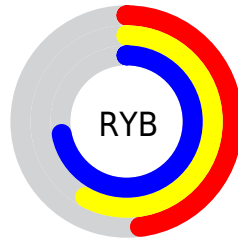
Distribution



Red (48%)

Green (64%)

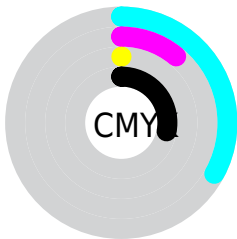
Blue (72%)



Red (48%)

Yellow (58%)

Blue (72%)

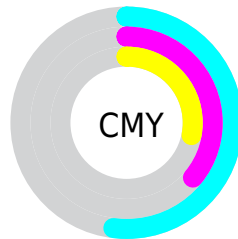


Cyan (33%)

Magenta (11%)

Yellow (0%)

Black (28%)



Cyan (52%)

Magenta (36%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6360, 33.4705, 49.6982 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 29.6360, 33.4705, 49.6982 by changing the saturation by 10% instead.

■ 29.6360, 33.4705,
49.6982

■ 29.6360, 33.4705,
49.6982

292.1444,
317.7645, 402.1857

■ 19.7092, 22.4871,
34.8042

■ 58.4766, 65.1094,
91.1193

■ 12.2908, 14.2153,
23.2297

■ 78.1212, 86.5337,
118.4833

■ 7.0157, 8.2705,
14.5563

■ 101.7356,
112.2071, 150.8412

■ 3.5183, 4.2685,
8.3655

129.6854,
142.5140, 188.6113

■ 1.4334, 1.8249,
4.2386

162.3358,
177.8388, 232.2123

■ 0.2799, 0.5026,
1.7571

200.0522,

■ 0.0000, 0.0000,

218.5659, 282.0627

0.3994

243.1999,
265.0797, 338.5810

■ 0.0000, 0.0000,
0.0000

■ 29.6360, 33.4705,
49.6982

■ 29.6360, 33.4705,
49.6982

■ 26.1594, 30.0466,
49.2211

■ 33.6615, 37.2643,
50.2189

■ 23.2004, 26.9727,
48.7838

■ 38.2589, 41.4386,
50.7823

■ 20.7292, 24.2332,
48.3852

■ 43.4533, 46.0086,
51.3906

■ 18.7114, 21.8088,
48.0236

■ 49.2678, 50.9870,
52.0451

■ 17.1076, 19.6779,
47.6969

■ 55.7238, 56.3863,
52.7470

■ 15.8708, 17.8150,
47.4025

■ 62.8419, 62.2181,
53.4975

■ 15.1387, 16.6017,
47.2069

■ 70.6415, 68.4936,
54.2977

■ 73.6421, 72.3885,
54.8913

■ 75.2875, 75.6793,
55.4398

Harmonies

Analogous

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



27.9697, 33.4705, 44.0414



29.6360, 33.4705, 49.6982



31.9625, 33.4705, 51.6859

Triad

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



29.6360, 33.4705, 49.6982



36.7652, 33.4705, 36.0171



29.3897, 33.4705, 26.1255

Complementary

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



29.6360, 33.4705, 49.6982



33.0775, 31.4445, 23.0660

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.



31.6634, 33.4705, 24.5380



29.6360, 33.4705, 49.6982



35.9926, 33.4705, 29.7743

Square

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



29.6360, 33.4705, 49.6982



36.1552, 33.4705, 43.2052



34.0935, 33.4705, 25.7840



27.8327, 33.4705, 30.4272

Rectangle

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



29.6360, 33.4705, 49.6982



33.5985, 33.4705, 50.4823



34.0935, 33.4705, 25.7840



30.0914, 33.4705, 25.2836

Sweetspot

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



29.6370, 33.4718, 49.6990



70.8528, 76.2902, 91.2269



30.0606, 40.0618, 32.1359



15.3717, 16.6038, 20.1163



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.6370, 33.4718, 49.6990



48.7044, 55.6701, 88.4141



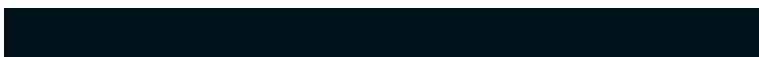
25.1041, 24.4060, 48.1880



8.9950, 9.6672, 11.4713



10.6271, 11.7139, 32.9540



0.4303, 0.5243, 1.1803

Inverse Universe

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



33.1339, 26.8429, 37.6186



56.0419, 42.5751, 62.8830



38.0479, 41.3852, 24.7228



9.2438, 9.1079, 10.6314



15.9778, 7.9649, 13.0356



0.5914, 0.2920, 0.6075

Previews

White Background



This preview shows how the XYZ color 29.6360, 33.4705, 49.6982 looks on a white background.

Color Contrast Check

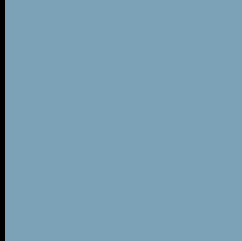
Large Text (above 18pt) WCAG AA × Fail

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 29.6360, 33.4705, 49.6982 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 29.6360, 33.4705, 49.6982

Background



This preview shows how black text looks on a background with the XYZ color 29.6360, 33.4705, 49.6982.



This preview shows how white text looks on a background with the XYZ color 29.6360, 33.4705,

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

29.6360, 33.4705, 49.6982

Protanopia

32.7061, 33.3324, 46.8295

Deuteranopia

33.8898, 33.1274, 50.5070



Tritanopia

28.8188, 33.3939, 46.0011

Trichromacy



Original Color

29.6360, 33.4705, 49.6982

Protanomaly

31.4496, 33.4117, 47.9716

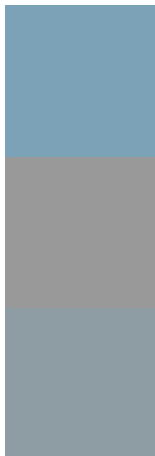
Deuteranomaly

32.2173, 33.2574, 50.0687

Tritanomaly

29.2599, 33.5866, 47.5885

Monochromacy



Original Color

29.6360, 33.4705, 49.6982

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.7446, 32.2081, 39.7710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6360, 33.4705, 49.6982 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(123, 162, 183)` looks like.

```
.text, #text, p{  
    color:rgb(123, 162, 183)  
}
```

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(123, 162, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 162, 183) }
```

Border

The CSS property to change the border of an element to XYZ 29.6360, 33.4705, 49.6982 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(123, 162, 183) }
```


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

```
.border{ border-color:rgb(123, 162, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 162, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 162, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 162, 183);  
box-shadow:4px 4px 4px 4px rgb(123, 162,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6360, 33.4705, 49.6982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 162, 183) }
```

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

```
.background{ background-color: rgb(123,  
162, 183) }
```

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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