

Converting Colors

XYZ(28.4213, 29.7355, 49.3694)

Have a look what the booklet for
XYZ(28.4213, 29.7355, 49.3694)
contains.

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Color

**XYZ(28.6113, 29.9405,
49.6185)**

Conversions

Conversions Part 1

Format	Color
Hex	8196B8
RGB	129, 150, 184
RGB Percent	51%, 59%, 72%
CMY	0.4941, 0.4118, 0.2784
CMYK	0.30, 0.18, 0.00, 0.28
HSL	217°, 28%, 61%
HSV	217°, 30%, 72%
XYZ	28.6113, 29.9405, 49.6185
YIQ	147.5970, -23.4300, 6.1220

Conversions

Conversions Part 2

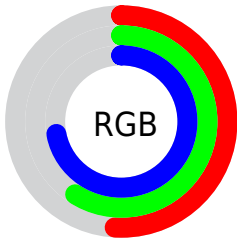
Format	Color
RYB	129, 144, 184
Decimal	8492728
CIELab	61.60, 0.60, -20.11
CIELCh	62, 20.118, 271.713
Yxy	29.9405, 0.2645, 0.2768
Android (android.graphics.Color)	4286682808 (0xFF8196B8)
YUV	147.5970, 17.9467, -16.3096
Hunter-Lab	54.7179, -2.4210, -15.4620

Details

The XYZ color **28.6113, 29.9405, 49.6185** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.8272, 37.9699, 26.1576**, and the grayscale version is **27.9161, 29.3699, 31.9838**.

A 20% lighter version of the original color is **56.8495, 59.5443, 90.9350**, and **11.7005, 12.1821, 23.2074** is the 20% darker color. If you saturate the color by 10%, you get **24.3364, 25.1724, 48.9240**, and if you desaturate by 10%, it is **33.5676, 35.3228, 50.3967**.

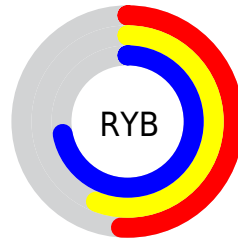
Distribution



Red (51%)

Green (59%)

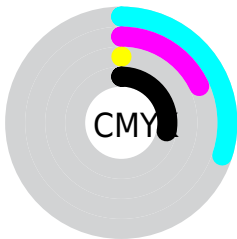
Blue (72%)



Red (51%)

Yellow (56%)

Blue (72%)

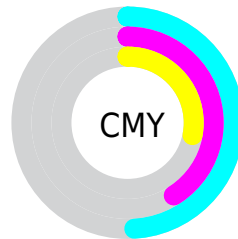


Cyan (30%)

Magenta (18%)

Yellow (0%)

Black (28%)



Cyan (49%)

Magenta (41%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6113, 29.9405, 49.6185 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 28.6113, 29.9405, 49.6185 by changing the saturation by 10% instead.

■ 28.6113, 29.9405,
49.6185

■ 28.6113, 29.9405,
49.6185

287.4039,
301.6270, 401.8644

■ 18.9298, 19.7934,
34.7413

■ 56.8608, 59.5681,
90.9998

■ 11.7232, 12.2450,
23.1817

■ 76.1595, 79.8174,
118.3411

■ 6.6264, 6.9107,
14.5212

■ 99.3946, 104.2028,
150.6741

■ 3.2738, 3.4063,
8.3412

126.9315,
133.1089, 188.4174

■ 1.3002, 1.3474,
4.2231

159.1355,
166.9200, 231.9895

■ 0.1833, 0.1774,
1.7485

196.3720,

■ 0.0000, 0.0000,

206.0204, 281.8090

0.3937

239.0064,
250.7946, 338.2945

■ 0.0000, 0.0000,
0.0000

■ 28.6113, 29.9405,
49.6185

■ 28.6113, 29.9405,
49.6185

■ 24.3364, 25.1724,
48.9240

■ 33.5676, 35.3228,
50.3967

■ 20.7080, 20.9911,
48.3081

■ 39.2323, 41.3383,
51.2592

■ 17.6923, 17.3720,
47.7685

■ 45.6341, 48.0093,
52.2094

■ 15.2509, 14.2872,
47.3018

■ 52.7996, 55.3561,
53.2498

■ 13.3408, 11.7060,
46.9042

■ 60.7537, 63.3979,
54.3828

■ 11.9117, 9.5933,
46.5718

■ 69.5204, 72.1532,
55.6107

■ 10.8686, 7.8905,
46.2981

■ 78.0836, 81.1043,
56.8872

■ 10.8582, 7.8735,
46.2953

■ 81.3461, 87.6292,
57.9746

■ 84.8187, 94.5746,
59.1322

Harmonies

Analogous

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



26.0930, 29.9405, 47.3395



28.6113, 29.9405, 49.6185



31.2429, 29.9405, 46.7780

Triad

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



28.6113, 29.9405, 49.6185



33.0528, 29.9405, 25.4650



24.1713, 29.9405, 26.1162

Complementary

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



28.6113, 29.9405, 49.6185



36.8272, 37.9699, 26.1576

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.



25.8429, 29.9405, 21.6224



28.6113, 29.9405, 49.6185



30.9608, 29.9405, 21.2898

Square

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



28.6113, 29.9405, 49.6185



33.9046, 29.9405, 32.1625



28.3043, 29.9405, 19.9999



23.6276, 29.9405, 33.0416

Rectangle

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



28.6113, 29.9405, 49.6185



32.6811, 29.9405, 42.5867



28.3043, 29.9405, 19.9999



24.6146, 29.9405, 24.3112

Sweetspot

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



28.6123, 29.9417, 49.6192



71.9306, 75.7896, 93.0423



32.7978, 41.5901, 40.9109



15.1656, 15.9799, 20.0067



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.



28.6123, 29.9417, 49.6192



46.5320, 48.3543, 89.0854



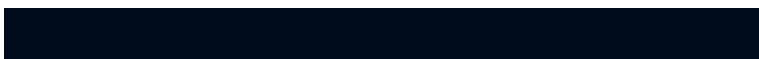
26.5616, 24.3475, 48.6475



8.7947, 9.2666, 11.4045



7.5471, 5.5538, 31.9273



0.3266, 0.3168, 1.1457

Inverse Universe

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



33.1232, 28.0937, 32.5323



56.1926, 44.9495, 52.3685



39.3681, 45.2823, 27.4351



9.1427, 9.0675, 10.0989



14.4231, 7.3430, 4.8488



0.5390, 0.2711, 0.3318

Previews

White Background



This preview shows how the XYZ color 28.6113, 29.9405, 49.6185 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6113, 29.9405, 49.6185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

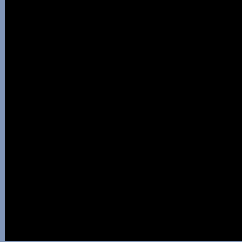
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.6113, 29.9405, 49.6185

Background



This preview shows how black text looks on a background with the XYZ color 28.6113, 29.9405, 49.6185.



This preview shows how white text looks on a background with the XYZ color 28.6113, 29.9405,

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

28.6113, 29.9405, 49.6185

Protanopia

29.8617, 29.9076, 48.4548

Deuteranopia

30.5374, 29.9898, 50.0781



Tritanopia

26.6402, 29.8591, 39.9566

Trichromacy



Original Color

28.6113, 29.9405, 49.6185

Protanomaly

29.4537, 29.9171, 49.0219

Deuteranomaly

29.8381, 29.8592, 50.0897

Tritanomaly

27.2788, 29.8707, 43.3576

Monochromacy



Original Color

28.6113, 29.9405, 49.6185

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.1650, 29.7308, 37.9724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6113, 29.9405, 49.6185 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(129, 150, 184)` looks like.

```
.text, #text, p{  
    color:rgb(129, 150, 184)  
}
```

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(129, 150, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 150, 184) }
```

Border

The CSS property to change the border of an element to XYZ 28.6113, 29.9405, 49.6185 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(129, 150, 184) }
```


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

```
.border{ border-color:rgb(129, 150, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 150, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 150, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 150, 184);  
box-shadow:4px 4px 4px 4px rgb(129, 150,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6113, 29.9405, 49.6185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 150, 184) }
```

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

```
.background{ background-color: rgb(129,  
150, 184) }
```

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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