

Converting Colors

XYZ(29.3300, 31.6036, 46.1492)

Have a look what the booklet for
XYZ(29.3300, 31.6036, 46.1492)
contains.

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Color

**XYZ(29.3300, 31.6036,
46.1492)**

Conversions

Conversions Part 1

Format	Color
Hex	859BB1
RGB	133, 155, 177
RGB Percent	52%, 61%, 69%
CMY	0.4784, 0.3921, 0.3059
CMYK	0.25, 0.12, 0.00, 0.31
HSL	210°, 22%, 61%
HSV	210°, 25%, 69%
XYZ	29.3300, 31.6036, 46.1492
YIQ	150.9300, -20.1740, 2.1780

Conversions

Conversions Part 2

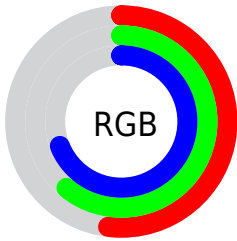
Format	Color
RYB	133, 148, 177
Decimal	8756145
CIELab	63.01, -2.70, -14.00
CIElCh	63, 14.260, 259.093
Yxy	31.6036, 0.2739, 0.2951
Android (android.graphics.Color)	4286946225 (0xFF859BB1)
YUV	150.9300, 12.8525, -15.7246
Hunter-Lab	56.2171, -5.2515, -9.3198

Details

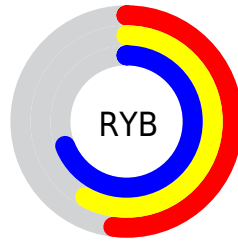
The XYZ color **29.3300, 31.6036, 46.1492** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.0867, 34.4832, 27.0503**, and the grayscale version is **29.3392, 30.8671, 33.6143**.

A 20% lighter version of the original color is **58.0020, 62.0489, 86.0104**, and **12.0681, 13.1497, 20.9709** is the 20% darker color. If you saturate the color by 10%, you get **25.3485, 27.4450, 45.5569**, and if you desaturate by 10%, it is **33.8922, 36.2234, 46.8010**.

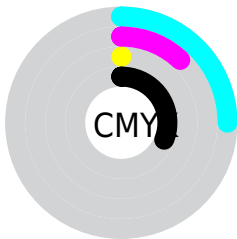
Distribution



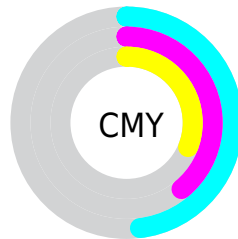
- Red (52%)
- Green (61%)
- Blue (69%)



- Red (52%)
- Yellow (58%)
- Blue (69%)



- Cyan (25%)
- Magenta (12%)
- Yellow (0%)
- Black (31%)



- Cyan (48%)
- Magenta (39%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3300, 31.6036, 46.1492 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 29.3300, 31.6036, 46.1492 by changing the saturation by 10% instead.

■ 29.3300, 31.6036,
46.1492

■ 29.3300, 31.6036,
46.1492

290.7350,
309.3095, 387.7032

■ 19.4761, 21.0589,
32.0141

■ 57.9949, 62.1891,
85.7789

■ 12.1209, 13.1671,
21.1073

■ 77.5367, 82.9988,
112.1105

■ 6.8988, 7.5437,
13.0105

■ 101.0385,
107.9988, 143.3447

■ 3.4447, 3.8044,
7.3049

128.8656,
137.5737, 179.9000

■ 1.3930, 1.5647,
3.5722

161.3835,
172.1079, 222.1950

■ 0.2513, 0.3337,
1.3937

198.9574,

■ 0.0000, 0.0000,

211.9856, 270.6481

0.1368

241.9528,
257.5914, 325.6780

■ 0.0000, 0.0000,
0.0000

■ 29.3300, 31.6036,
46.1492

■ 29.3300, 31.6036,
46.1492

■ 25.3485, 27.4450,
45.5569

■ 33.8922, 36.2234,
46.8010

■ 21.9191, 23.7271,
45.0200

■ 39.0565, 41.3163,
47.5118

■ 19.0146, 20.4330,
44.5373

■ 44.8466, 46.8986,
48.2841

■ 16.6044, 17.5435,
44.1066

■ 51.2839, 52.9844,
49.1195

■ 14.6543, 15.0370,
43.7255

■ 58.3888, 59.5873,
50.0196

■ 13.1250, 12.8893,
43.3916

■ 66.1809, 66.7203,
50.9857

■ 11.9693, 11.0721,
43.1018

■ 73.9754, 74.0333,
51.9864

■ 11.4675, 10.2376,
42.9671

■ 76.3172, 78.7169,
52.7670

■ 78.7832, 83.6488,
53.5890

Harmonies

Analogous

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



27.6347, 31.6036, 43.2406



29.3300, 31.6036, 46.1492



31.2894, 31.6036, 45.6654

Triad

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



29.3300, 31.6036, 46.1492



33.7466, 31.6036, 30.9961



27.2760, 31.6036, 27.8090

Complementary

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



29.3300, 31.6036, 46.1492



34.0867, 34.4832, 27.0503

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.



28.8210, 31.6036, 25.1765



29.3300, 31.6036, 46.1492



32.5773, 31.6036, 26.8734

Square

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



29.3300, 31.6036, 46.1492



33.8975, 31.6036, 36.4963



30.7579, 31.6036, 24.8538



26.4837, 31.6036, 32.4066

Rectangle

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



29.3300, 31.6036, 46.1492



32.4808, 31.6036, 43.4972



30.7579, 31.6036, 24.8538



27.7214, 31.6036, 26.6873

Sweetspot

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



29.3310, 31.6049, 46.1499



67.7600, 71.8569, 84.7937



31.2506, 38.7734, 36.5260



14.5663, 15.4565, 18.3600



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.3310, 31.6049, 46.1499



48.3729, 52.2911, 82.0390



26.0976, 25.1381, 45.0721



8.3813, 8.9088, 10.7842



8.3693, 7.5389, 31.1510



0.3217, 0.3539, 0.9996

Inverse Universe

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



32.4361, 28.4895, 34.8013



55.0158, 46.0516, 57.6653



37.9433, 42.1965, 28.3359



8.6677, 8.5738, 9.7483



14.4591, 7.3012, 7.5774



0.4844, 0.2415, 0.3935

Previews

White Background



This preview shows how the XYZ color 29.3300, 31.6036, 46.1492 looks on a white background.

Color Contrast Check

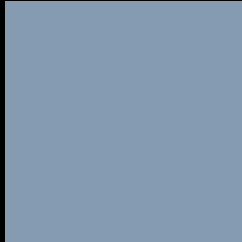
Large Text (above 18pt) WCAG AA × Fail

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 29.3300, 31.6036, 46.1492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

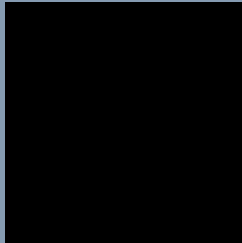
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

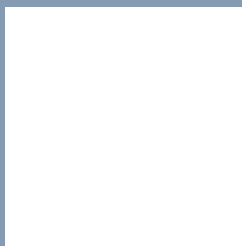
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3300, 31.6036, 46.1492

Background



This preview shows how black text looks on a background with the XYZ color 29.3300, 31.6036, 46.1492.



This preview shows how white text looks on a background with the XYZ color 29.3300, 31.6036,

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

29.3300, 31.6036, 46.1492

Protanopia

30.9193, 31.4851, 44.4920

Deuteranopia

32.1098, 31.5793, 46.5225



Tritanopia

28.4100, 31.4668, 42.1125

Trichromacy



Original Color

29.3300, 31.6036, 46.1492

Protanomaly

30.2938, 31.3913, 45.0199

Deuteranomaly

30.9566, 31.4586, 46.5600

Tritanomaly

28.8506, 31.6610, 43.6203

Monochromacy



Original Color

29.3300, 31.6036, 46.1492

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.0750, 30.9238, 37.6942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3300, 31.6036, 46.1492 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(133, 155, 177)` looks like.

```
.text, #text, p{  
    color:rgb(133, 155, 177)  
}
```

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(133, 155, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 155, 177) }
```

Border

The CSS property to change the border of an element to XYZ 29.3300, 31.6036, 46.1492 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(133, 155, 177) }
```


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

```
.border{ border-color:rgb(133, 155, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 155, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 155, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 155, 177);  
box-shadow:4px 4px 4px 4px rgb(133, 155,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3300, 31.6036, 46.1492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 155, 177) }
```

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

```
.background{ background-color: rgb(133,  
155, 177) }
```

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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