

Converting Colors

XYZ(29.6911, 29.2900, 55.5598)

Have a look what the booklet for
XYZ(29.6911, 29.2900, 55.5598)
contains.

XYZ(29.6486, 29.1775, 55.6989)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.6486, 29.1775,
55.6989)**

Conversions

Conversions Part 1

Format	Color
Hex	8591C3
RGB	133, 145, 195
RGB Percent	52%, 57%, 76%
CMY	0.4784, 0.4314, 0.2353
CMYK	0.32, 0.26, 0.00, 0.24
HSL	228°, 34%, 64%
HSV	228°, 32%, 76%
XYZ	29.6486, 29.1775, 55.6989
YIQ	147.1120, -23.2020, 13.0060

Conversions

Conversions Part 2

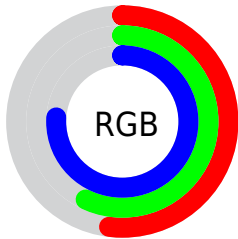
Format	Color
R_{YB}	133, 143, 195
Decimal	8753603
CIE _{Lab}	60.94, 7.47, -27.30
CIE _{LCh}	61, 28.304, 285.300
Yxy	29.1775, 0.2589, 0.2548
Android (android.graphics.Color)	4286943683 (0xFF8591C3)
YUV	147.1120, 23.6088, -12.3762
Hunter-Lab	54.0162, 3.4473, -23.3256

Details

The XYZ color **29.6486, 29.1775, 55.6989** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **43.6733, 47.1630, 28.9928**, and the grayscale version is **27.6926, 29.1348, 31.7277**.

A 20% lighter version of the original color is **58.4876, 58.4399, 100.2929**, and **12.2933, 11.8568, 26.8400** is the 20% darker color. If you saturate the color by 10%, you get **24.6122, 23.2580, 54.8223**, and if you desaturate by 10%, it is **35.5911, 36.0592, 56.7145**.

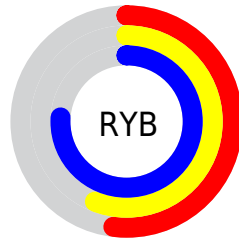
Distribution



Red (52%)

Green (57%)

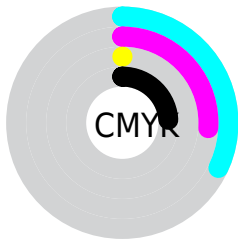
Blue (76%)



Red (52%)

Yellow (56%)

Blue (76%)

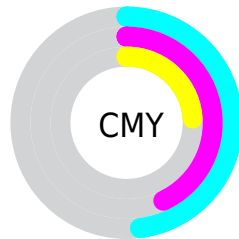


Cyan (32%)

Magenta (26%)

Yellow (0%)

Black (24%)



Cyan (48%)

Magenta (43%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6486, 29.1775, 55.6989 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 29.6486, 29.1775, 55.6989 by changing the saturation by 10% instead.

■ 29.6486, 29.1775,
55.6989

■ 29.6486, 29.1775,
55.6989

292.2024,
298.0515, 425.9122

■ 19.7188, 19.2151,
39.5592

■ 58.4965, 58.3590,
100.0456

■ 12.2979, 11.8258,
26.8839

■ 78.1452, 78.3469,
129.0897

■ 7.0205, 6.6252,
17.2543

■ 101.7643,
102.4454, 163.2723

■ 3.5214, 3.2288,
10.2521

129.7191,
131.0390, 203.0119

■ 1.4351, 1.2523,
5.4587

162.3749,
164.5120, 248.7272

■ 0.2810, 0.1038,
2.4554

200.0972,

■ 0.0000, 0.0000,

203.2488, 300.8367

0.8164

243.2512,
247.6339, 359.7588

■ 0.0000, 0.0000,
0.0000

■ 29.6486, 29.1775,
55.6989

■ 29.6486, 29.1775,
55.6989

■ 24.6122, 23.2580,
54.8223

■ 35.5911, 36.0592,
56.7145

■ 20.4336, 18.2537,
54.0766

■ 42.4789, 43.9403,
57.8727

■ 17.0647, 14.1188,
53.4560

■ 50.3522, 52.8603,
59.1794

■ 14.4510, 10.8022,
52.9536

■ 59.2482, 62.8553,
60.6398

■ 12.5309, 8.2467,
52.5616

■ 69.2020, 73.9600,
62.2586

■ 11.2327, 6.3874,
52.2711

■ 80.2471, 86.2071,
64.0404

■ 10.5354, 5.3101,
52.0999

■ 86.8504, 96.7202,
65.7216

Harmonies

Analogous

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



25.9692, 29.1775, 55.7791



29.6486, 29.1775, 55.6989



33.0920, 29.1775, 48.3280

Triad

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



29.6486, 29.1775, 55.6989



33.0329, 29.1775, 19.3958



21.4153, 29.1775, 26.8833

Complementary

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



29.6486, 29.1775, 55.6989



43.6733, 47.1630, 28.9928

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.



22.9851, 29.1775, 19.5044



29.6486, 29.1775, 55.6989



29.5735, 29.1775, 15.8792

Square

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



29.6486, 29.1775, 55.6989



35.1608, 29.1775, 26.6995



25.9005, 29.1775, 15.9140



21.4316, 29.1775, 37.4434

Rectangle

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



29.6486, 29.1775, 55.6989



34.6967, 29.1775, 41.0473



25.9005, 29.1775, 15.9140



21.7685, 29.1775, 24.0067

Sweetspot

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



29.6496, 29.1786, 55.6996



78.2677, 81.1858, 104.0151



37.6944, 47.4197, 51.7486



16.7202, 17.3016, 22.7082



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.6496, 29.1786, 55.6996



46.8000, 44.8705, 98.6640



31.1129, 27.3531, 55.2701



9.6826, 10.0566, 12.7156



6.8947, 3.5458, 33.8776



0.3463, 0.2499, 1.4799

Inverse Universe

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



36.0049, 30.4225, 30.7637



60.0302, 47.8296, 46.6704



41.7445, 50.0011, 29.6423



10.1511, 10.1090, 10.8863



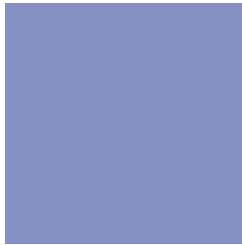
14.8761, 7.6402, 1.9935



0.6672, 0.3399, 0.2147

Previews

White Background



This preview shows how the XYZ color 29.6486, 29.1775, 55.6989 looks on a white background.

Color Contrast Check

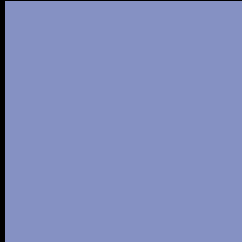
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6486, 29.1775, 55.6989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

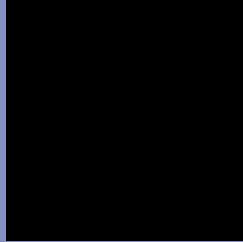
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6486, 29.1775, 55.6989

Background



This preview shows how black text looks on a background with the XYZ color 29.6486, 29.1775, 55.6989.



This preview shows how white text looks on a background with the XYZ color 29.6486, 29.1775,

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

29.6486, 29.1775, 55.6989

Protanopia

29.6486, 29.1775, 55.6989

Deuteranopia

29.9674, 29.3418, 55.7138



Tritanopia

26.2817, 29.2132, 38.9038

Trichromacy



Original Color

29.6486, 29.1775, 55.6989

Protanomaly

29.6486, 29.1775, 55.6989

Deuteranomaly

29.8072, 29.2593, 55.7064

Tritanomaly

27.5386, 29.2572, 44.7532

Monochromacy



Original Color

29.6486, 29.1775, 55.6989

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.1351, 28.9889, 39.2345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6486, 29.1775, 55.6989 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, 145, 195)` looks like.

```
.text, #text, p{  
    color:rgb(133, 145, 195)  
}
```

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, 145, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 145, 195) }
```

Border

The CSS property to change the border of an element to XYZ 29.6486, 29.1775, 55.6989 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, 145, 195) }
```


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

```
.border{ border-color:rgb(133, 145, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 145, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 145, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 145, 195);  
box-shadow:4px 4px 4px 4px rgb(133, 145,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6486, 29.1775, 55.6989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 145, 195) }
```

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

```
.background{ background-color: rgb(133,  
145, 195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor