

Converting Colors

XYZ(29.9684, 32.6269, 51.2566)

Have a look what the booklet for
XYZ(29.9684, 32.6269, 51.2566)
contains.

XYZ(29.9919, 32.5881, 51.1638)	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(29.9919, 32.5881,
51.1638)**

Conversions

Conversions Part 1

Format	Color
Hex	809EBA
RGB	128, 158, 186
RGB Percent	50%, 62%, 73%
CMY	0.4980, 0.3804, 0.2706
CMYK	0.31, 0.15, 0.00, 0.27
HSL	209°, 30%, 62%
HSV	209°, 31%, 73%
XYZ	29.9919, 32.5881, 51.1638
YIQ	152.2220, -26.8680, 2.3480

Conversions

Conversions Part 2

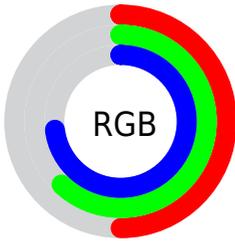
Format	Color
RYB	128, 148, 186
Decimal	8429242
CIELab	63.83, -3.68, -17.86
CIElCh	64, 18.232, 258.369
Yxy	32.5881, 0.2637, 0.2865
Android (android.graphics.Color)	4286619322 (0xFF809EBA)
YUV	152.2220, 16.6526, -21.2427
Hunter-Lab	57.0860, -6.1199, -13.1790

Details

The XYZ color **29.9919, 32.5881, 51.1638** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.0350, 35.7750, 25.4290**, and the grayscale version is **29.8803, 31.4364, 34.2343**.

A 20% lighter version of the original color is **59.1127, 63.9444, 93.2313**, and **12.5519, 13.7866, 24.1898** is the 20% darker color. If you saturate the color by 10%, you get **25.9706, 28.3245, 50.5534**, and if you desaturate by 10%, it is **34.6400, 37.3425, 51.8371**.

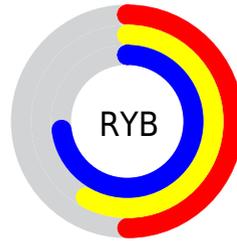
Distribution



Red (50%)

Green (62%)

Blue (73%)



Red (50%)

Yellow (58%)

Blue (73%)

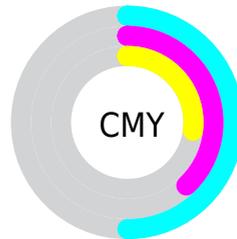


Cyan (31%)

Magenta (15%)

Yellow (0%)

Black (27%)



Cyan (50%)

Magenta (38%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9919, 32.5881, 51.1638 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 29.9919, 32.5881, 51.1638 by changing the saturation by 10% instead.

■ 29.9919, 32.5881,
51.1638

■ 29.9919, 32.5881,
51.1638

293.7772,
313.7896, 408.0646

■ 19.9805, 21.8111,
35.9614

■ 59.0361, 63.7319,
93.3108

■ 12.4890, 13.7182,
24.1149

■ 78.7996, 84.8675,
121.0925

■ 7.1522, 7.9249,
15.2059

■ 102.5444,
110.2248, 153.9043

■ 3.6047, 4.0469,
8.8158

130.6361,
140.1881, 192.1648

■ 1.4810, 1.6999,
4.5260

163.4398,
175.1418, 236.2925

■ 0.3129, 0.4236,
1.9181

201.3210,

■ 0.0000, 0.0000,

215.4704, 286.7061

0.5042

244.6450,
261.5582, 343.8239

■ 0.0000, 0.0000,
0.0000

■ 29.9919, 32.5881,
51.1638

■ 29.9919, 32.5881,
51.1638

■ 25.9706, 28.3245,
50.5534

■ 34.6400, 37.3425,
51.8371

■ 22.5427, 24.5287,
50.0014

■ 39.9400, 42.6017,
52.5729

■ 19.6758, 21.1811,
49.5063

■ 45.9195, 48.3841,
53.3738

■ 17.3333, 18.2590,
49.0657

■ 52.6032, 54.7056,
54.2417

■ 15.4735, 15.7370,
48.6770

■ 60.0147, 61.5816,
55.1783

■ 14.0470, 13.5856,
48.3369

■ 68.1764, 69.0266,
56.1852

■ 13.0652, 11.9496,
48.0729

■ 75.9215, 76.4421,
57.2083

■ 78.3539, 81.3070,
58.0191

■ 80.9151, 86.4293,
58.8728

Harmonies

Analogous

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



27.8168, 32.5881, 47.1004



29.9919, 32.5881, 51.1638



32.5517, 32.5881, 50.6183

Triad

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



29.9919, 32.5881, 51.1638



35.8857, 32.5881, 31.2222



27.4377, 32.5881, 26.9153

Complementary

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



29.9919, 32.5881, 51.1638



36.0350, 35.7750, 25.4290

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.



29.4482, 32.5881, 23.7123



29.9919, 32.5881, 51.1638



34.3615, 32.5881, 25.9524

Square

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



29.9919, 32.5881, 51.1638



36.0512, 32.5881, 38.4025



31.9773, 32.5881, 23.3860



26.3974, 32.5881, 32.7152

Rectangle

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



29.9919, 32.5881, 51.1638



34.1318, 32.5881, 47.7265



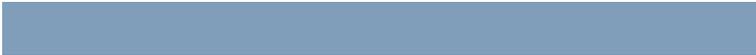
31.9773, 32.5881, 23.3860



28.0172, 32.5881, 25.5357

Sweetspot

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



29.9929, 32.5894, 51.1646



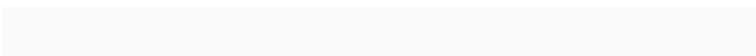
74.4947, 79.2700, 95.5757



32.3838, 42.0765, 37.4554



16.0704, 17.1301, 21.0020



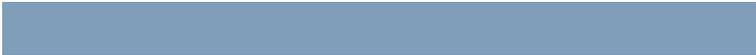
90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.9929, 32.5894, 51.1646



49.5484, 53.9991, 92.0128



25.7397, 24.0829, 49.7468



8.8950, 9.4672, 11.4380



8.8652, 8.1900, 32.3667



0.3742, 0.4120, 1.1616

Inverse Universe

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



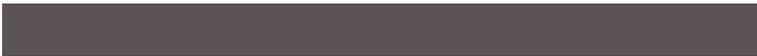
34.1413, 28.3470, 36.0212



58.3391, 45.7016, 59.7677



41.3010, 46.3070, 27.1844



9.1933, 9.0877, 10.3655



15.0884, 7.6091, 8.3523



0.5630, 0.2807, 0.4583

Previews

White Background



This preview shows how the XYZ color 29.9919, 32.5881, 51.1638 looks on a white background.

Color Contrast Check

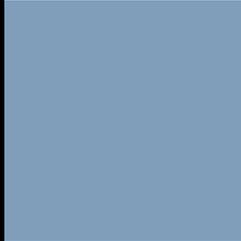
Large Text (above 18pt) WCAG AA × Fail

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 29.9919, 32.5881, 51.1638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

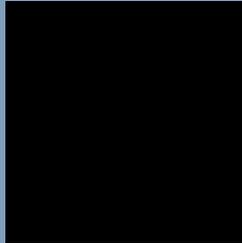
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

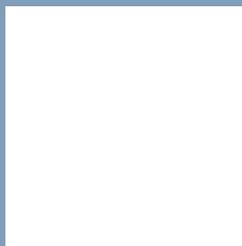
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9919, 32.5881, 51.1638

Background



This preview shows how black text looks on a background with the XYZ color 29.9919, 32.5881, 51.1638.



This preview shows how white text looks on a background with the XYZ color 29.9919, 32.5881,

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

29.9919, 32.5881, 51.1638

Protanopia

32.1512, 32.4973, 49.3778

Deuteranopia

33.1731, 32.4934, 51.5371



Tritanopia

28.5711, 32.5187, 44.3060

Trichromacy



Original Color

29.9919, 32.5881, 51.1638

Protanomaly

31.3576, 32.5661, 49.9806

Deuteranomaly

32.0268, 32.6284, 51.6236

Tritanomaly

29.0382, 32.4462, 46.8518

Monochromacy



Original Color

29.9919, 32.5881, 51.1638

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.5841, 31.6312, 39.6681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9919, 32.5881, 51.1638 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(128, 158, 186)` looks like.

```
.text, #text, p{  
    color:rgb(128, 158, 186)  
}
```

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(128, 158, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 158, 186) }
```

Border

The CSS property to change the border of an element to XYZ 29.9919, 32.5881, 51.1638 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(128, 158, 186) }
```

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

```
.border{ border-color:rgb(128, 158, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 158, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 158, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 158, 186);  
box-shadow:4px 4px 4px 4px rgb(128, 158,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9919, 32.5881, 51.1638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 158, 186) }
```

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

```
.background{ background-color: rgb(128,  
158, 186) }
```

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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