

Converting Colors

XYZ(30.0259, 28.6227, 56.3759)

Have a look what the booklet for
XYZ(30.0259, 28.6227, 56.3759)
contains.

XYZ(29.9533, 28.6499, 56.1758)	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(29.9533, 28.6499,
56.1758)**

Conversions

Conversions Part 1

Format	Color
Hex	898EC4
RGB	137, 142, 196
RGB Percent	54%, 56%, 77%
CMY	0.4627, 0.4431, 0.2314
CMYK	0.30, 0.28, 0.00, 0.23
HSL	235°, 33%, 65%
HSV	235°, 30%, 77%
XYZ	29.9533, 28.6499, 56.1758
YIQ	146.6610, -20.3140, 15.7340

Conversions

Conversions Part 2

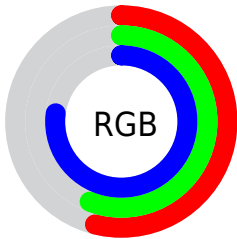
Format	Color
RYB	137, 142, 196
Decimal	9014980
CIELab	60.47, 10.64, -28.56
CIELCh	60, 30.478, 290.428
Yxy	28.6499, 0.2610, 0.2496
Android (android.graphics.Color)	4287205060 (0xFF898EC4)
YUV	146.6610, 24.3241, -8.4727
Hunter-Lab	53.5256, 6.2200, -24.7577

Details

The XYZ color **29.9533, 28.6499, 56.1758** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **45.9115, 50.8038, 31.0541**, and the grayscale version is **27.5030, 28.9352, 31.5105**.

A 20% lighter version of the original color is **59.2078, 57.7782, 100.9602**, and **12.4559, 11.5386, 27.1619** is the 20% darker color. If you saturate the color by 10%, you get **24.5699, 22.2268, 55.2203**, and if you desaturate by 10%, it is **36.3518, 36.2352, 57.3032**.

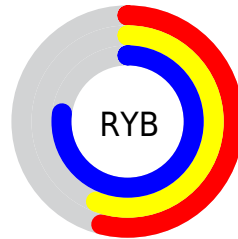
Distribution



Red (54%)

Green (56%)

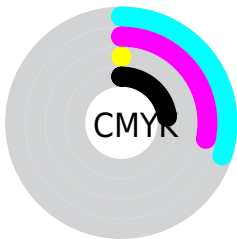
Blue (77%)



Red (54%)

Yellow (56%)

Blue (77%)

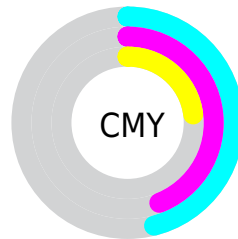


Cyan (30%)

Magenta (28%)

Yellow (0%)

Black (23%)



Cyan (46%)

Magenta (44%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9533, 28.6499, 56.1758 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 29.9533, 28.6499, 56.1758 by changing the saturation by 10% instead.

■ 29.9533, 28.6499,
56.1758

■ 29.9533, 28.6499,
56.1758

293.6004,
295.5595, 427.7606

■ 19.9510, 18.8161,
39.9390

■ 58.9755, 57.5204,
100.7499

■ 12.4675, 11.5375,
27.1775

■ 78.7261, 77.3259,
129.9243

■ 7.1374, 6.4296,
17.4730

■ 102.4568,
101.2241, 164.2482

■ 3.5953, 3.1080,
10.4068

130.5331,
129.5994, 204.1403

■ 1.4758, 1.1884,
5.5604

163.3202,
162.8362, 250.0190

■ 0.3093, 0.0522,
2.5152

201.1836,

■ 0.0000, 0.0000,

201.3189, 302.3030

0.8482

244.4886,
245.4318, 361.4106

0.0000, 0.0000,
0.0000

29.9533, 28.6499,
56.1758

29.9533, 28.6499,
56.1758

24.5699, 22.2268,
55.2203

36.3518, 36.2352,
57.3032

20.1465, 16.9052,
54.4262

43.8109, 45.0326,
58.6081

16.6274, 12.6239,
53.7853

52.3768, 55.0933,
60.0985

13.9497, 9.3146,
53.2877

62.0921, 66.4645,
61.7814

12.0425, 6.9006,
52.9223

72.9972, 79.1910,
63.6631

■ 10.8230, 5.2934,
52.6763

■ 85.1305, 93.3154,
65.7498

■ 10.1584, 4.3745,
52.5340

■ 86.9639, 96.7656,
66.3192

Harmonies

Analogous

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



25.9940, 28.6499, 57.7583



29.9533, 28.6499, 56.1758



33.4782, 28.6499, 47.1050

Triad

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



29.9533, 28.6499, 56.1758



32.3319, 28.6499, 17.3145



20.4409, 28.6499, 27.7341

Complementary

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



29.9533, 28.6499, 56.1758



45.9115, 50.8038, 31.0541

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.



21.8135, 28.6499, 19.3435



29.9533, 28.6499, 56.1758



28.5063, 28.6499, 14.3561

Square

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



29.9533, 28.6499, 56.1758



34.9405, 28.6499, 24.2371



24.6786, 28.6499, 14.9968



20.7480, 28.6499, 39.3710

Rectangle

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



29.9533, 28.6499, 56.1758



34.9861, 28.6499, 39.0173



24.6786, 28.6499, 14.9968



20.7158, 28.6499, 24.4947

Sweetspot

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



29.9543, 28.6510, 56.1765



80.7664, 83.2271, 106.4153



39.3623, 48.5209, 56.0639



16.8272, 17.2726, 22.6970



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.



29.9543, 28.6510, 56.1765



47.7545, 44.1462, 100.6119



33.5277, 29.4133, 56.1353



9.5954, 9.8822, 12.6865



6.5541, 2.8647, 33.7641



0.3071, 0.1716, 1.4668

Inverse Universe

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



36.5939, 31.5810, 29.7594



61.7216, 50.4650, 45.0061



41.3571, 50.1026, 31.1588



10.1071, 10.0914, 10.6545



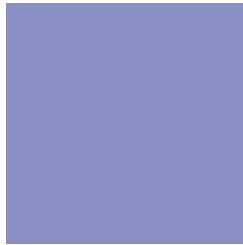
14.7042, 7.5714, 1.0884



0.6474, 0.3320, 0.1106

Previews

White Background



This preview shows how the XYZ color 29.9533, 28.6499, 56.1758 looks on a white background.

Color Contrast Check

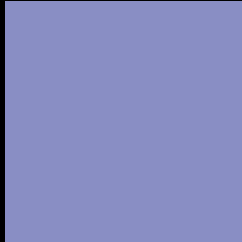
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9533, 28.6499, 56.1758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

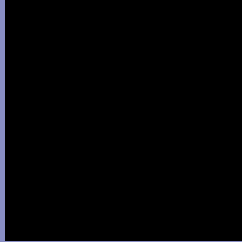
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.9533, 28.6499, 56.1758

Background



This preview shows how black text looks on a background with the XYZ color 29.9533, 28.6499, 56.1758.



This preview shows how white text looks on a background with the XYZ color 29.9533, 28.6499,

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

29.9533, 28.6499, 56.1758

Protanopia

29.2572, 28.7236, 56.8255

Deuteranopia

29.4528, 28.8376, 56.2384



Tritanopia

26.3864, 28.8139, 37.8891

Trichromacy



Original Color

29.9533, 28.6499, 56.1758

Protanomaly

29.5734, 28.6627, 56.7971

Deuteranomaly

29.6178, 28.6988, 56.2029

Tritanomaly

27.5917, 28.6003, 44.1106

Monochromacy



Original Color

29.9533, 28.6499, 56.1758

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.2446, 28.8071, 39.6690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9533, 28.6499, 56.1758 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(137, 142, 196)` looks like.

```
.text, #text, p{  
    color:rgb(137, 142, 196)  
}
```

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(137, 142, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 142, 196) }
```

Border

The CSS property to change the border of an element to XYZ 29.9533, 28.6499, 56.1758 is called "border". The border property can be set on classes, ids or directly on the HTML element.

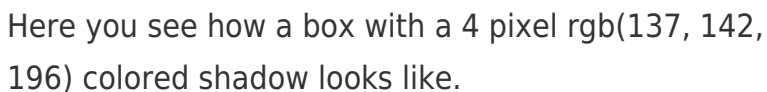
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 142, 196) }
```


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

```
.border{ border-color:rgb(137, 142, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 142, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 142, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 142, 196); box-shadow:4px 4px 4px 4px rgb(137, 142, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9533, 28.6499, 56.1758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 142, 196) }
```

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

```
.background{ background-color: rgb(137,  
142, 196) }
```

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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