

Converting Colors

XYZ(29.6521, 19.0571, 56.0406)

Have a look what the booklet for
XYZ(29.6521, 19.0571, 56.0406)
contains.

XYZ(29.5729, 18.9946, 56.1405)	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(29.5729, 18.9946,
56.1405)**

Conversions

Conversions Part 1

Format	Color
Hex	A756C7
RGB	167, 86, 199
RGB Percent	65%, 34%, 78%
CMY	0.3451, 0.6627, 0.2196
CMYK	0.16, 0.57, 0.00, 0.22
HSL	283°, 50%, 56%
HSV	283°, 57%, 78%
XYZ	29.5729, 18.9946, 56.1405
YIQ	123.1010, 12.0030, 52.3150

Conversions

Conversions Part 2

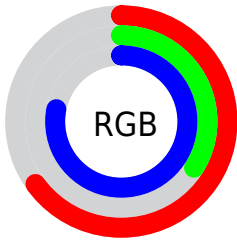
Format	Color
R_{YB}	167, 86, 199
Decimal	10966727
CIE _{Lab}	50.68, 51.39, -45.41
CIE _{LCh}	51, 68.578, 318.538
Yxy	18.9946, 0.2824, 0.1814
Android (android.graphics.Color)	4289156807 (0xFFA756C7)
YUV	123.1010, 37.4182, 38.4994
Hunter-Lab	43.5828, 44.8504, -45.8655

Details

The XYZ color **29.5729, 18.9946, 56.1405** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **29.5750, 45.3708, 16.0035**, and the grayscale version is **18.7385, 19.7143, 21.4689**.

A 20% lighter version of the original color is **58.0231, 41.5325, 99.5662**, and **12.2326, 6.4914, 26.9938** is the 20% darker color. If you saturate the color by 10%, you get **27.0350, 15.6473, 55.6285**, and if you desaturate by 10%, it is **32.6064, 23.2547, 56.8032**.

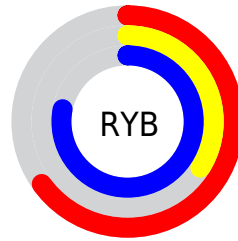
Distribution



Red (65%)

Green (34%)

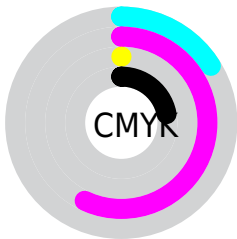
Blue (78%)



Red (65%)

Yellow (34%)

Blue (78%)

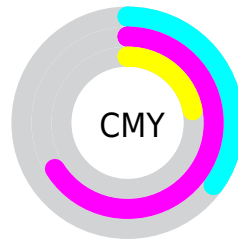


Cyan (16%)

Magenta (57%)

Yellow (0%)

Black (22%)



Cyan (35%)

Magenta (66%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5729, 18.9946, 56.1405 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 29.5729, 18.9946, 56.1405 by changing the saturation by 10% instead.

■ 29.5729, 18.9946,
56.1405

■ 29.5729, 18.9946,
56.1405

291.8542,
246.4190, 427.6240

■ 19.6611, 11.6664,
39.9108

■ 58.3774, 41.7250,
100.6978

■ 12.2558, 6.5169,
27.1558

■ 78.0007, 57.8959,
129.8625

■ 6.9915, 3.1619,
17.4568

■ 101.5920, 77.7832,
164.1760

■ 3.5031, 1.2168,
10.3953

■ 129.5165,
101.7713, 204.0568

■ 1.4251, 0.0754,
5.5528

■ 162.1396,
130.2445, 249.9235

■ 0.2740, 0.0000,
2.5108

199.8267,

■ 0.0000, 0.0000,

163.5872, 302.1945

0.8459

242.9431,
202.1839, 361.2885

■ 0.0000, 0.0000,
0.0000

■ 29.5729, 18.9946,
56.1405

■ 29.5729, 18.9946,
56.1405

■ 27.0350, 15.6473,
55.6285

■ 32.6064, 23.2547,
56.8032

■ 24.9521, 13.1346,
55.2533

■ 36.1673, 28.4924,
57.6265

■ 23.2803, 11.3689,
55.0006

■ 40.2872, 34.7691,
58.6209

■ 21.9605, 10.2334,
54.8509

■ 44.9944, 42.1406,
59.7956

■ 21.5755, 9.9317,
54.8130

■ 50.3153, 50.6586,
61.1593

■ 56.2743, 60.3715,
62.7200

■ 62.8949, 71.3247,
64.4853

■ 70.1988, 83.5616,
66.4623

■ 74.8986, 90.5058,
67.5549

Harmonies

Analogous

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



22.4819, 18.9946, 79.3583



29.5729, 18.9946, 56.1405



33.9115, 18.9946, 28.9431

Triad

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



29.5729, 18.9946, 56.1405



20.7456, 18.9946, 1.4824



8.3641, 18.9946, 34.8209

Complementary

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



29.5729, 18.9946, 56.1405



29.5750, 45.3708, 16.0035

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.



8.1194, 18.9946, 14.1644



29.5729, 18.9946, 56.1405



14.2491, 18.9946, 1.6959

Square

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



29.5729, 18.9946, 56.1405



28.0335, 18.9946, 3.4974



9.9979, 18.9946, 4.5808



10.7778, 18.9946, 62.6622

Rectangle

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



29.5729, 18.9946, 56.1405



34.0861, 18.9946, 15.6597



9.9979, 18.9946, 4.5808



8.0524, 18.9946, 26.6772

Sweetspot

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



29.5736, 18.9954, 56.1409



78.3730, 73.1378, 104.5940



20.6277, 19.0636, 56.6256



16.3993, 15.0612, 22.2927



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.



29.5736, 18.9954, 56.1409



46.4619, 26.3014, 97.2356



34.5720, 21.8746, 42.7097



10.7791, 10.6599, 13.4069



13.9628, 6.4323, 35.2500



0.7295, 0.3398, 1.6723

Inverse Universe

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



30.1516, 20.1064, 19.4321



48.3039, 28.8651, 24.3933



27.1027, 43.9621, 21.9481



10.7553, 10.6855, 11.6946



15.6426, 8.0066, 3.3281



0.7725, 0.3918, 0.3252

Previews

White Background



This preview shows how the XYZ color 29.5729, 18.9946, 56.1405 looks on a white background.

Color Contrast Check

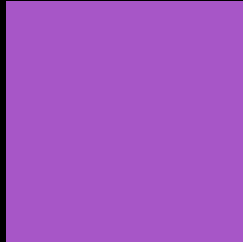
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5729, 18.9946, 56.1405 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 29.5729, 18.9946, 56.1405

Background



This preview shows how black text looks on a background with the XYZ color 29.5729, 18.9946, 56.1405.

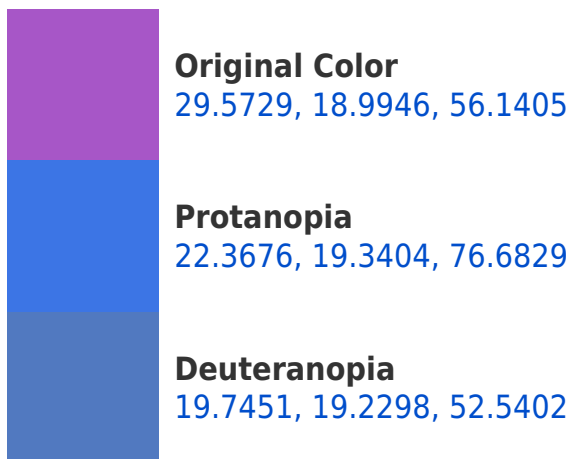


This preview shows how white text looks on a background with the XYZ color 29.5729, 18.9946,

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





Tritanopia

22.0325, 18.9546, 19.0204

Trichromacy



Original Color

29.5729, 18.9946, 56.1405



Protanomaly

22.9545, 18.0227, 68.5986



Deuteranomaly

21.8950, 18.1100, 53.9713



Tritanomaly

24.0436, 18.5606, 29.5094

Monochromacy



Original Color

29.5729, 18.9946, 56.1405



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

21.8093, 18.8752, 31.7720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5729, 18.9946, 56.1405 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(167, 86, 199)` looks like.

```
.text, #text, p{  
    color:rgb(167, 86, 199)  
}
```

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(167, 86, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 86, 199) }
```

Border

The CSS property to change the border of an element to XYZ 29.5729, 18.9946, 56.1405 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(167, 86, 199) }
```


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

```
.border{ border-color:rgb(167, 86, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 86, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 86, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 86, 199);  
box-shadow:4px 4px 4px 4px rgb(167, 86,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5729, 18.9946, 56.1405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 86, 199) }
```

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

```
.background{ background-color: rgb(167, 86,  
199) }
```

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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