

Converting Colors

XYZ(29.5310, 19.0519, 52.5730)

Have a look what the booklet for
XYZ(29.5310, 19.0519, 52.5730)
contains.

XYZ(29.5310, 19.0519, 52.5730)	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(29.5310, 19.0519,
52.5730)**

Conversions

Conversions Part 1

Format	Color
Hex	AA56C1
RGB	170, 86, 193
RGB Percent	67%, 34%, 76%
CMY	0.3333, 0.6627, 0.2431
CMYK	0.12, 0.55, 0.00, 0.24
HSL	287°, 46%, 55%
HSV	287°, 55%, 76%
XYZ	29.5310, 19.0519, 52.5730
YIQ	123.3140, 15.7170, 51.0850

Conversions

Conversions Part 2

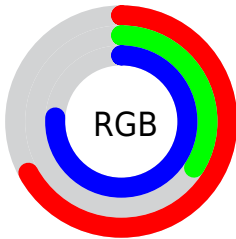
Format	Color
RYB	170, 86, 193
Decimal	11163329
CIELab	50.75, 50.94, -41.82
CIElCh	51, 65.910, 320.616
Yxy	19.0519, 0.2919, 0.1883
Android (android.graphics.Color)	4289353409 (0xFFAA56C1)
YUV	123.3140, 34.3552, 40.9436
Hunter-Lab	43.6485, 44.3819, -40.8587

Details

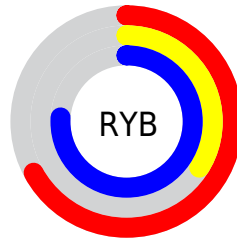
The XYZ color **29.5310, 19.0519, 52.5730** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **27.0569, 42.0635, 15.4979**, and the grayscale version is **18.8175, 19.7975, 21.5595**.

A 20% lighter version of the original color is **58.1665, 41.6983, 95.4253**, and **12.2469, 6.5419, 25.0433** is the 20% darker color. If you saturate the color by 10%, you get **27.3104, 15.9206, 52.0859**, and if you desaturate by 10%, it is **32.1973, 23.0314, 53.2009**.

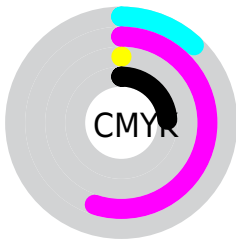
Distribution



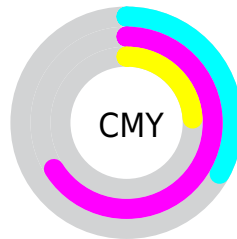
- Red (67%)
- Green (34%)
- Blue (76%)



- Red (67%)
- Yellow (34%)
- Blue (76%)



- Cyan (12%)
- Magenta (55%)
- Yellow (0%)
- Black (24%)



- Cyan (33%)
- Magenta (66%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5310, 19.0519, 52.5730 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 29.5310, 19.0519, 52.5730 by changing the saturation by 10% instead.

■ 29.5310, 19.0519,
52.5730

■ 29.5310, 19.0519,
52.5730

291.6614,
246.7351, 413.6645

■ 19.6292, 11.7078,
37.0766

■ 58.3114, 41.8218,
95.4109

■ 12.2325, 6.5450,
24.9706

■ 77.9207, 58.0163,
123.5895

■ 6.9755, 3.1792,
15.8363

■ 101.4966, 77.9298,
156.8326

■ 3.4930, 1.2260,
9.2553

■ 129.4043,
101.9466, 195.5588

■ 1.4195, 0.0828,
4.8090

■ 162.0093,
130.4512, 240.1865

■ 0.2701, 0.0000,
2.0789

199.6769,

■ 0.0000, 0.0000,

163.8279, 291.1343

0.6031

242.7725,
202.4610, 348.8208

■ 0.0000, 0.0000,
0.0000

■ 29.5310, 19.0519,
52.5730

■ 29.5310, 19.0519,
52.5730

■ 27.3104, 15.9206,
52.0859

■ 32.1973, 23.0314,
53.2009

■ 25.4988, 13.5662,
51.7270

■ 35.3380, 27.9178,
53.9785

■ 24.0568, 11.9099,
51.4833

■ 38.9816, 33.7673,
54.9156

■ 22.9352, 10.8534,
51.3385

■ 43.1539, 40.6311,
56.0205

■ 22.4841, 10.4790,
51.2900

■ 47.8787, 48.5563,
57.3012

■ 53.1783, 57.5873,
58.7650

■ 59.0738, 67.7660,
60.4190

■ 65.5853, 79.1319,
62.2696

■ 71.2125, 88.6845,
63.8169

Harmonies

Analogous

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



22.8533, 19.0519, 75.1806



29.5310, 19.0519, 52.5730



33.3712, 19.0519, 27.1149

Triad

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



29.5310, 19.0519, 52.5730



20.2141, 19.0519, 1.7069



8.7792, 19.0519, 35.9951

Complementary

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



29.5310, 19.0519, 52.5730



27.0569, 42.0635, 15.4979

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.



8.3958, 19.0519, 15.4589



29.5310, 19.0519, 52.5730



14.0702, 19.0519, 2.0718

Square

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



29.5310, 19.0519, 52.5730



27.2082, 19.0519, 3.5913



10.0919, 19.0519, 5.3519



11.3039, 19.0519, 62.2863

Rectangle

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



29.5310, 19.0519, 52.5730



33.3013, 19.0519, 14.8463



10.0919, 19.0519, 5.3519



8.4237, 19.0519, 28.0279

Sweetspot

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



29.5317, 19.0527, 52.5734



75.8502, 70.3839, 99.9480



18.9523, 16.8060, 52.6974



15.9392, 14.5491, 21.3535



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.5317, 19.0527, 52.5734



47.9977, 27.2838, 93.0968



31.9032, 20.6268, 36.8023



10.2786, 10.1348, 12.6993



15.0239, 7.0055, 34.1170



0.7032, 0.3306, 1.4766

Inverse Universe

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



28.0810, 19.0979, 16.6750



45.7384, 27.7297, 20.2238



26.0792, 41.3872, 23.2346



10.1598, 10.1125, 10.9322



14.9240, 7.6593, 2.2457



0.6710, 0.3414, 0.2352

Previews

White Background



This preview shows how the XYZ color 29.5310, 19.0519, 52.5730 looks on a white background.

Color Contrast Check

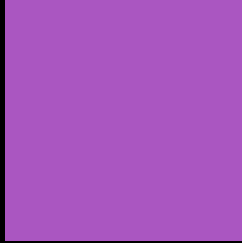
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5310, 19.0519, 52.5730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

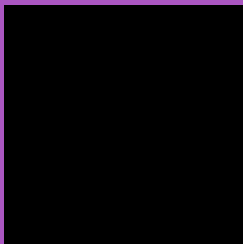
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5310, 19.0519, 52.5730

Background



This preview shows how black text looks on a background with the XYZ color 29.5310, 19.0519, 52.5730.

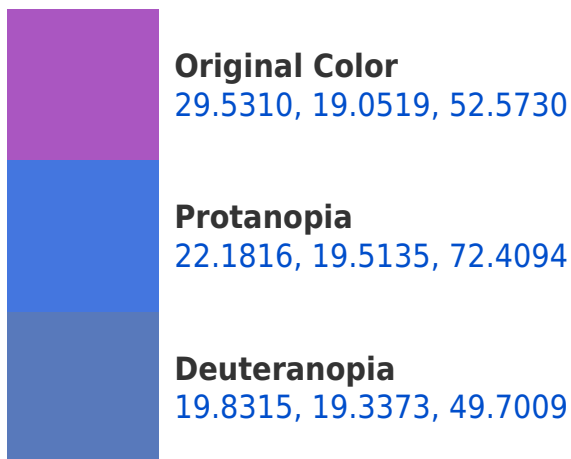


This preview shows how white text looks on a background with the XYZ color 29.5310, 19.0519,

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

22.6503, 19.1241, 18.7172

Trichromacy



Original Color

29.5310, 19.0519, 52.5730

Protanomaly

22.8634, 18.0648, 64.5692

Deuteranomaly

22.0191, 18.2508, 50.5063

Tritanomaly

24.5240, 18.6934, 28.3022

Monochromacy



Original Color

29.5310, 19.0519, 52.5730

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.7364, 18.8654, 30.5127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5310, 19.0519, 52.5730 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(170, 86, 193)` looks like.

```
.text, #text, p{  
    color:rgb(170, 86, 193)  
}
```

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(170, 86, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 86, 193) }
```

Border

The CSS property to change the border of an element to XYZ 29.5310, 19.0519, 52.5730 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(170, 86, 193) }
```


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

```
.border{ border-color:rgb(170, 86, 193) }
```

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

Here you see how a box with a 4 pixel rgb(170, 86, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 86, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 86, 193);  
box-shadow:4px 4px 4px 4px rgb(170, 86,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5310, 19.0519, 52.5730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 86, 193) }
```

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

```
.background{ background-color: rgb(170, 86,  
193) }
```

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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