

Converting Colors

XYZ(30.5236, 19.6046, 55.2375)

Have a look what the booklet for
XYZ(30.5236, 19.6046, 55.2375)
contains.

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Color

**XYZ(30.4995, 19.6183,
55.0025)**

Conversions

Conversions Part 1

Format	Color
Hex	AC57C5
RGB	172, 87, 197
RGB Percent	67%, 34%, 77%
CMY	0.3255, 0.6588, 0.2274
CMYK	0.13, 0.56, 0.00, 0.23
HSL	286°, 49%, 56%
HSV	286°, 56%, 77%
XYZ	30.4995, 19.6183, 55.0025
YIQ	124.9550, 15.3500, 52.2300

Conversions

Conversions Part 2

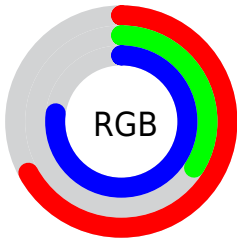
Format	Color
R_{YB}	172, 87, 197
Decimal	11294661
CIE _{Lab}	51.40, 51.78, -43.07
CIE _{LCh}	51, 67.354, 320.247
Yxy	19.6183, 0.2901, 0.1866
Android (android.graphics.Color)	4289484741 (0xFFAC57C5)
YUV	124.9550, 35.5182, 41.2585
Hunter-Lab	44.2926, 45.4017, -42.6216

Details

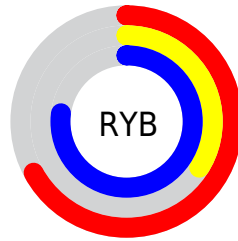
The XYZ color **30.4995, 19.6183, 55.0025** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **28.3693, 44.0658, 16.0280**, and the grayscale version is **19.3594, 20.3676, 22.1803**.

A 20% lighter version of the original color is **59.9006, 42.7349, 98.8575**, and **12.8379, 6.8528, 26.6327** is the 20% darker color. If you saturate the color by 10%, you get **28.1508, 16.3545, 54.4966**, and if you desaturate by 10%, it is **33.3180, 23.7710, 55.6558**.

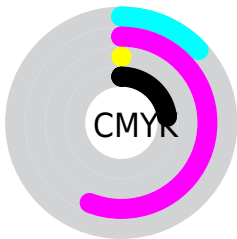
Distribution



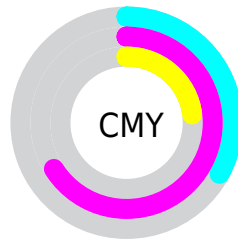
- Red (67%)
- Green (34%)
- Blue (77%)



- Red (67%)
- Yellow (34%)
- Blue (77%)



- Cyan (13%)
- Magenta (56%)
- Yellow (0%)
- Black (23%)



- Cyan (33%)
- Magenta (66%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4995, 19.6183, 55.0025 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 30.4995, 19.6183, 55.0025 by changing the saturation by 10% instead.

■ 30.4995, 19.6183,
55.0025

■ 30.4995, 19.6183,
55.0025

296.0941,
249.8412, 423.2036

■ 20.3680, 12.1179,
39.0051

■ 59.8324, 42.7763,
99.0158

■ 12.7726, 6.8240,
26.4558

■ 79.7646, 59.2027,
127.8688

■ 7.3481, 3.3523,
16.9362

■ 103.6943, 79.3732,
161.8441

■ 3.7290, 1.3183,
10.0275

■ 131.9869,
103.6722, 201.3602

■ 1.5500, 0.1553,
5.3114

165.0079,
132.4841, 246.8356

■ 0.3595, 0.0000,
2.3692

203.1225,

■ 0.0000, 0.0000,

166.1933, 298.6890

0.7696

246.6961,
205.1842, 357.3388

■ 0.0000, 0.0000,
0.0000

■ 30.4995, 19.6183,
55.0025

■ 30.4995, 19.6183,
55.0025

■ 28.1508, 16.3545,
54.4966

■ 33.3180, 23.7710,
55.6558

■ 26.2329, 13.9044,
54.1248

■ 36.6365, 28.8750,
56.4661

■ 24.7040, 12.1842,
53.8733

■ 40.4853, 34.9894,
57.4434

■ 23.5113, 11.0885,
53.7247

■ 44.8916, 42.1682,
58.5968

■ 23.0698, 10.7287,
53.6785

■ 49.8805, 50.4612,
59.9346

■ 55.4757, 59.9153,
61.4645

■ 61.6993, 70.5745,
63.1939

■ 68.5726, 82.4806,
65.1298

■ 73.0750, 89.5924,
66.2652

Harmonies

Analogous

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



23.5042, 19.6183, 78.5897



30.4995, 19.6183, 55.0025



34.5704, 19.6183, 28.2910

Triad

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



30.4995, 19.6183, 55.0025



20.9310, 19.6183, 1.6842



8.9339, 19.6183, 36.9644

Complementary

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



30.4995, 19.6183, 55.0025



28.3693, 44.0658, 16.0280

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.



8.5633, 19.6183, 15.6666



30.4995, 19.6183, 55.0025



14.5091, 19.6183, 2.0285

Square

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



30.4995, 19.6183, 55.0025



28.2300, 19.6183, 3.6403



10.3478, 19.6183, 5.3252



11.5221, 19.6183, 64.5281

Rectangle

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



30.4995, 19.6183, 55.0025



34.5411, 19.6183, 15.4119



10.3478, 19.6183, 5.3252



8.5749, 19.6183, 28.6724

Sweetspot

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



30.5003, 19.6191, 55.0029



79.2139, 73.5713, 104.6334



19.8773, 17.7944, 55.2106



16.5991, 15.1642, 22.3021



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.



30.5003, 19.6191, 55.0029



49.6015, 28.2090, 97.4383



33.4716, 21.5022, 39.2701



10.8383, 10.6904, 13.4097



15.2492, 7.0955, 35.3102



0.7815, 0.3666, 1.6747

Inverse Universe

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



29.3594, 19.8573, 17.6155



47.9958, 29.0535, 21.8102



27.0692, 43.2279, 23.5429



10.7310, 10.6758, 11.5665



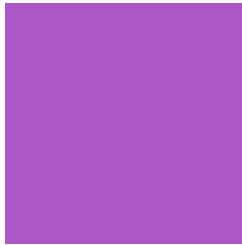
15.4806, 7.9418, 2.4747



0.7616, 0.3875, 0.2676

Previews

White Background



This preview shows how the XYZ color 30.4995, 19.6183, 55.0025 looks on a white background.

Color Contrast Check

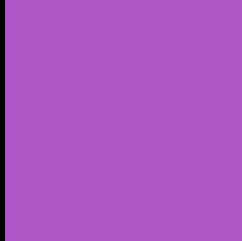
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.4995, 19.6183, 55.0025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

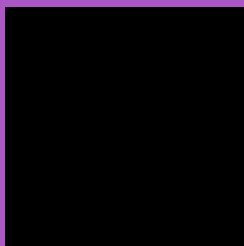
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.4995, 19.6183, 55.0025

Background



This preview shows how black text looks on a background with the XYZ color 30.4995, 19.6183, 55.0025.

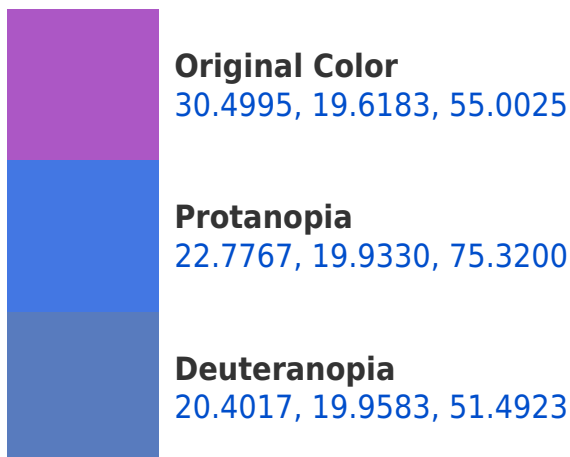


This preview shows how white text looks on a background with the XYZ color 30.4995, 19.6183,

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

23.2129, 19.5631, 19.0756

Trichromacy



Original Color

30.4995, 19.6183, 55.0025



Protanomaly

23.4781, 18.4765, 67.2946



Deuteranomaly

22.8093, 18.9241, 52.9026



Tritanomaly

25.1851, 19.1580, 29.1585

Monochromacy



Original Color

30.4995, 19.6183, 55.0025



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

22.4257, 19.3540, 31.8319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4995, 19.6183, 55.0025 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(172, 87, 197)` looks like.

```
.text, #text, p{  
    color:rgb(172, 87, 197)  
}
```

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(172, 87, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 87, 197) }
```

Border

The CSS property to change the border of an element to XYZ 30.4995, 19.6183, 55.0025 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(172, 87, 197) }
```


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

```
.border{ border-color:rgb(172, 87, 197) }
```

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

Here you see how a box with a 4 pixel rgb(172, 87, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 87, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 87, 197);  
box-shadow:4px 4px 4px 4px rgb(172, 87,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4995, 19.6183, 55.0025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 87, 197) }
```

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

```
.background{ background-color: rgb(172, 87,  
197) }
```

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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