

Converting Colors

XYZ(30.3378, 18.8402, 63.4649)

Have a look what the booklet for
XYZ(30.3378, 18.8402, 63.4649)
contains.

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Color

**XYZ(30.3682, 18.8890,
63.6734)**

Conversions

Conversions Part 1

Format	Color
Hex	A553D3
RGB	165, 83, 211
RGB Percent	65%, 33%, 83%
CMY	0.3529, 0.6745, 0.1725
CMYK	0.22, 0.61, 0.00, 0.17
HSL	278°, 59%, 58%
HSV	278°, 61%, 83%
XYZ	30.3682, 18.8890, 63.6734
YIQ	122.1100, 7.7840, 57.1920

Conversions

Conversions Part 2

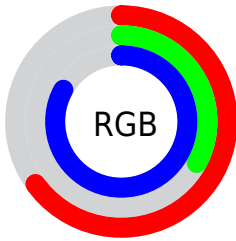
Format	Color
R _Y B	165, 83, 211
Decimal	10834899
CIE Lab	50.56, 54.94, -52.50
CIE LCh	51, 75.985, 316.301
Yxy	18.8890, 0.2689, 0.1673
Android (android.graphics.Color)	4289024979 (0xFFA553D3)
YUV	122.1100, 43.8228, 37.6145
Hunter-Lab	43.4615, 48.6672, -56.4400

Details

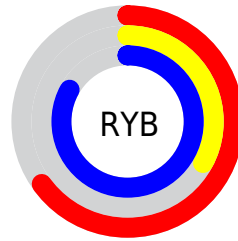
The XYZ color **30.3682, 18.8890, 63.6734** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **33.9093, 51.8806, 16.4110**, and the grayscale version is **18.3950, 19.3530, 21.0754**.

A 20% lighter version of the original color is **57.2856, 40.5163, 99.4089**, and **12.7227, 6.4820, 32.0331** is the 20% darker color. If you saturate the color by 10%, you get **27.4620, 15.3483, 63.1435**, and if you desaturate by 10%, it is **33.8606, 23.4616, 64.3723**.

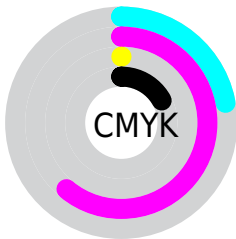
Distribution



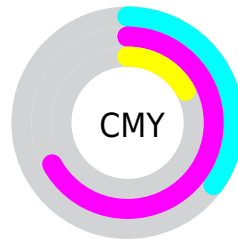
- Red (65%)
- Green (33%)
- Blue (83%)



- Red (65%)
- Yellow (33%)
- Blue (83%)



- Cyan (22%)
- Magenta (61%)
- Yellow (0%)
- Black (17%)



- Cyan (35%)
- Magenta (67%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3682, 18.8890, 63.6734 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 30.3682, 18.8890, 63.6734 by changing the saturation by 10% instead.

■ 30.3682, 18.8890,
63.6734

■ 30.3682, 18.8890,
63.6734

295.4961,
245.8353, 456.1843

■ 20.2677, 11.5901,
45.9417

■ 59.6266, 41.5465,
111.7354

■ 12.6992, 6.4652,
31.8515

■ 79.5152, 57.6738,
142.9028

■ 7.2973, 3.1300,
20.9842

■ 103.3973, 77.5127,
179.3858

■ 3.6967, 1.2000,
12.9213

■ 131.6381,
101.4477, 221.6030

■ 1.5320, 0.0617,
7.2443

■ 164.6030,
129.8630, 269.9729

■ 0.3475, 0.0000,
3.5346

202.6574,

■ 0.0000, 0.0000,

163.1431, 324.9140

1.3737

246.1667,
201.6724, 386.8450

■ 0.0000, 0.0000,
0.1210

■ 0.0000, 0.0000,
0.0000

■ 30.3682, 18.8890,
63.6734

■ 30.3682, 18.8890,
63.6734

■ 27.4620, 15.3483,
63.1435

■ 33.8606, 23.4616,
64.3723

■ 25.0918, 12.7440,
62.7657

■ 37.9788, 29.1453,
65.2523

■ 23.2019, 10.9664,
62.5222

■ 42.7612, 36.0142,
66.3260

■ 21.7776, 9.8685,
62.3854

■ 48.2425, 44.1351,
67.6046

■ 54.4545, 53.5697,
69.0983

■ 61.4272, 64.3756,
70.8165

■ 69.1886, 76.6070,
72.7684

■ 77.7653, 90.3150,
74.9622

■ 81.2027, 93.5883,
75.4129

Harmonies

Analogous

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



22.2627, 18.8890, 89.9804



30.3682, 18.8890, 63.6734



35.6856, 18.8890, 31.8385

Triad

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



30.3682, 18.8890, 63.6734



21.5480, 18.8890, 0.9329



7.4472, 18.8890, 34.2980

Complementary

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



30.3682, 18.8890, 63.6734



33.9093, 51.8806, 16.4110

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.



7.3543, 18.8890, 12.3296



30.3682, 18.8890, 63.6734



14.2396, 18.8890, 0.9957

Square

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



30.3682, 18.8890, 63.6734



29.7224, 18.8890, 2.9132



9.4886, 18.8890, 3.2845



9.7913, 18.8890, 66.5016

Rectangle

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



30.3682, 18.8890, 63.6734



36.1932, 18.8890, 16.4007



9.4886, 18.8890, 3.2845



7.1794, 18.8890, 25.3849

Sweetspot

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



30.3690, 18.8897, 63.6738



76.3047, 71.1347, 104.3164



23.2995, 22.4904, 64.7414



15.7607, 14.3656, 22.1921



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.



30.3690, 18.8897, 63.6738



40.9335, 22.1624, 96.7281



39.6878, 23.9280, 53.5270



11.8815, 11.7878, 14.8927



13.2582, 6.0151, 37.6547



0.8263, 0.3801, 2.1094

Inverse Universe

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



33.9201, 21.6209, 23.1547



47.7848, 27.2682, 25.9428



29.1655, 49.3494, 20.0624



11.9818, 11.8774, 13.1798



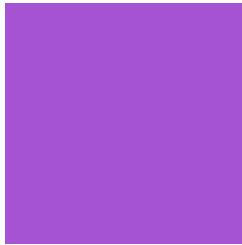
17.0408, 8.6892, 5.1210



0.9903, 0.5008, 0.4839

Previews

White Background



This preview shows how the XYZ color 30.3682, 18.8890, 63.6734 looks on a white background.

Color Contrast Check

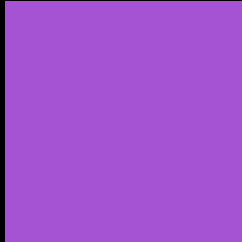
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3682, 18.8890, 63.6734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

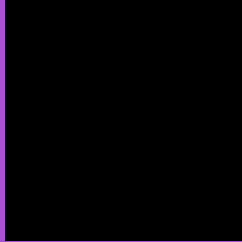
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.3682, 18.8890, 63.6734

Background



This preview shows how black text looks on a background with the XYZ color 30.3682, 18.8890, 63.6734.



This preview shows how white text looks on a background with the XYZ color 30.3682, 18.8890,

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

30.3682, 18.8890, 63.6734

Protanopia

23.0802, 19.2655, 88.8884

Deuteranopia

19.8452, 19.3028, 59.8066



Tritanopia

21.3163, 18.7293, 19.6312

Trichromacy



Original Color

30.3682, 18.8890, 63.6734



Protanomaly

22.5599, 17.2797, 79.2371



Deuteranomaly

21.7706, 17.8828, 61.3358



Tritanomaly

23.7422, 18.3499, 31.9963

Monochromacy



Original Color

30.3682, 18.8890, 63.6734



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

21.6765, 18.4615, 32.9928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3682, 18.8890, 63.6734 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(165, 83, 211)` looks like.

```
.text, #text, p{  
    color:rgb(165, 83, 211)  
}
```

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(165, 83, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 83, 211) }
```

Border

The CSS property to change the border of an element to XYZ 30.3682, 18.8890, 63.6734 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(165, 83, 211) }
```


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

```
.border{ border-color:rgb(165, 83, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 83, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 83, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 83, 211);  
box-shadow:4px 4px 4px 4px rgb(165, 83,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3682, 18.8890, 63.6734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 83, 211) }
```

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

```
.background{ background-color: rgb(165, 83,  
211) }
```

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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