

Converting Colors

XYZ(28.8535, 18.2656, 61.6793)

Have a look what the booklet for
XYZ(28.8535, 18.2656, 61.6793)
contains.

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Color

**XYZ(28.8536, 18.2656,
61.6794)**

Conversions

Conversions Part 1

Format	Color
Hex	9F54D0
RGB	159, 84, 208
RGB Percent	62%, 33%, 82%
CMY	0.3765, 0.6706, 0.1843
CMYK	0.24, 0.60, 0.00, 0.18
HSL	276°, 57%, 57%
HSV	276°, 60%, 82%
XYZ	28.8536, 18.2656, 61.6794
YIQ	120.5610, 4.8960, 54.4640

Conversions

Conversions Part 2

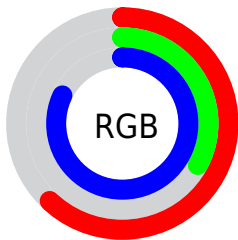
Format	Color
R _Y B	159, 84, 208
Decimal	10441936
CIE Lab	49.82, 52.35, -52.01
CIE LCh	50, 73.790, 315.187
Yxy	18.2656, 0.2652, 0.1679
Android (android.graphics.Color)	4288632016 (0xFF9F54D0)
YUV	120.5610, 43.1074, 33.7110
Hunter-Lab	42.7383, 45.7175, -55.6499

Details

The XYZ color **28.8536, 18.2656, 61.6794** 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 **33.8292, 50.7387, 16.3985**, and the grayscale version is **17.8979, 18.8300, 20.5058**.

A 20% lighter version of the original color is **55.3146, 39.7103, 99.3572**, and **11.8333, 6.1634, 30.7030** is the 20% darker color. If you saturate the color by 10%, you get **25.8963, 14.6902, 61.1455**, and if you desaturate by 10%, it is **32.4000, 22.8567, 62.3790**.

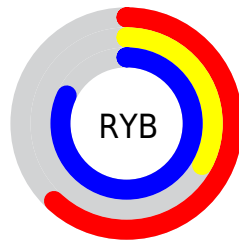
Distribution



Red (62%)

Green (33%)

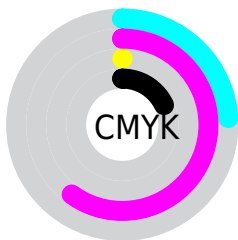
Blue (82%)



Red (62%)

Yellow (33%)

Blue (82%)

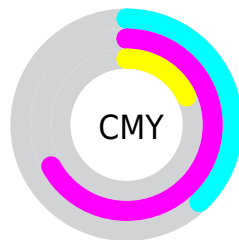


Cyan (24%)

Magenta (60%)

Yellow (0%)

Black (18%)



Cyan (38%)

Magenta (67%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8536, 18.2656, 61.6794 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 28.8536, 18.2656, 61.6794 by changing the saturation by 10% instead.

■ 28.8536, 18.2656,
61.6794

■ 28.8536, 18.2656,
61.6794

288.5303,
242.3639, 448.7360

■ 19.1138, 11.1408,
44.3396

■ 57.2436, 40.4894,
108.8291

■ 11.8570, 6.1616,
30.5984

■ 76.6245, 56.3572,
139.4761

■ 6.7179, 2.9436,
20.0373

■ 99.9498, 75.9082,
175.3959

■ 3.3311, 1.1024,
12.2378

■ 127.5849, 99.5266,
217.0071

■ 1.3312, 0.0000,
6.7814

■ 159.8952,
127.5971, 264.7281

■ 0.2064, 0.0000,
3.2494

197.2459,

■ 0.0000, 0.0000,

160.5038, 318.9776

1.2233

240.0025,
198.6313, 380.1741

■ 0.0000, 0.0000,
0.0000

■ 28.8536, 18.2656,
61.6794

■ 28.8536, 18.2656,
61.6794

■ 25.8963, 14.6902,
61.1455

■ 32.4000, 22.8567,
62.3790

■ 23.4800, 12.0395,
60.7612

■ 36.5737, 28.5394,
63.2559

■ 21.5513, 10.2096,
60.5096

■ 41.4121, 35.3846,
64.3221

■ 20.0168, 9.0167,
60.3603

■ 46.9487, 43.4565,
65.5883

■ 19.9613, 8.9752,
60.3552

■ 53.2147, 52.8145,
67.0644

■ 60.2391, 63.5142,
68.7594

■ 68.0493, 75.6076,
70.6820

■ 76.6714, 89.1442,
72.8404

■ 80.7413, 93.3935,
73.4461

Harmonies

Analogous

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



21.1570, 18.2656, 85.7435



28.8536, 18.2656, 61.6794



34.0270, 18.2656, 31.5481

Triad

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



28.8536, 18.2656, 61.6794



21.0599, 18.2656, 1.0184



7.2942, 18.2656, 31.8813

Complementary

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



28.8536, 18.2656, 61.6794



33.8292, 50.7387, 16.3985

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.



7.2814, 18.2656, 11.5264



28.8536, 18.2656, 61.6794



14.0484, 18.2656, 1.0275

Square

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



28.8536, 18.2656, 61.6794



28.7661, 18.2656, 3.1091



9.4148, 18.2656, 3.1612



9.4564, 18.2656, 62.0602

Rectangle

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



28.8536, 18.2656, 61.6794



34.6491, 18.2656, 16.5830



9.4148, 18.2656, 3.1612



7.0625, 18.2656, 23.6056

Sweetspot

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



28.8544, 18.2663, 61.6798



75.7542, 70.8509, 104.2907



23.5117, 23.3793, 62.9483



15.6259, 14.2961, 22.1858



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.



28.8544, 18.2663, 61.6798



39.7268, 21.7776, 96.7174



39.1015, 23.7183, 54.5038



11.8399, 11.7663, 14.8907



12.5523, 5.6513, 37.6217



0.7898, 0.3613, 2.1077

Inverse Universe

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



33.4167, 21.4444, 24.5683



48.5489, 27.8296, 29.1781



28.3423, 47.8489, 18.9056



11.9994, 11.8845, 13.2729



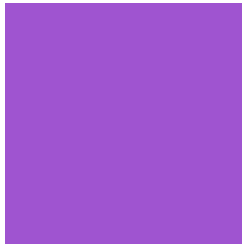
17.2107, 8.7571, 6.0156



1.0009, 0.5051, 0.5397

Previews

White Background



This preview shows how the XYZ color 28.8536, 18.2656, 61.6794 looks on a white background.

Color Contrast Check

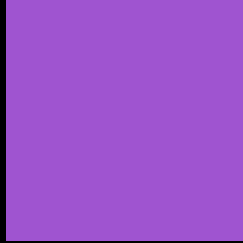
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.8536, 18.2656, 61.6794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

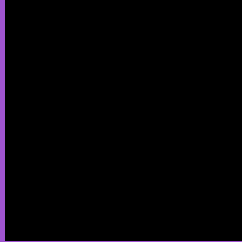
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8536, 18.2656, 61.6794

Background



This preview shows how black text looks on a background with the XYZ color 28.8536, 18.2656, 61.6794.



This preview shows how white text looks on a background with the XYZ color 28.8536, 18.2656,

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

28.8536, 18.2656, 61.6794

Protanopia

22.2461, 18.7695, 84.1117

Deuteranopia

19.1226, 18.6106, 57.8427



Tritanopia

20.2403, 18.1746, 19.5808

Trichromacy



Original Color

28.8536, 18.2656, 61.6794



Protanomaly

22.0145, 17.0798, 75.5352



Deuteranomaly

20.9806, 17.3618, 59.3721



Tritanomaly

22.5375, 17.7383, 31.5141

Monochromacy



Original Color

28.8536, 18.2656, 61.6794



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

21.1040, 18.1759, 32.5330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8536, 18.2656, 61.6794 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(159, 84, 208)` looks like.

```
.text, #text, p{  
    color:rgb(159, 84, 208)  
}
```

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(159, 84, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 84, 208) }
```

Border

The CSS property to change the border of an element to XYZ 28.8536, 18.2656, 61.6794 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(159, 84, 208) }
```


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

```
.border{ border-color:rgb(159, 84, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 84, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 84, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 84, 208);  
box-shadow:4px 4px 4px 4px rgb(159, 84,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8536, 18.2656, 61.6794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 84, 208) }
```

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

```
.background{ background-color: rgb(159, 84,  
208) }
```

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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