

Converting Colors

XYZ(29.5875, 19.5730, 63.5391)

Have a look what the booklet for
XYZ(29.5875, 19.5730, 63.5391)
contains.

XYZ(29.6856, 19.6265, 63.8517)	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(29.6856, 19.6265,
63.8517)**

Conversions

Conversions Part 1

Format	Color
Hex	9E5CD3
RGB	158, 92, 211
RGB Percent	62%, 36%, 83%
CMY	0.3804, 0.6392, 0.1725
CMYK	0.25, 0.56, 0.00, 0.17
HSL	273°, 57%, 59%
HSV	273°, 56%, 83%
XYZ	29.6856, 19.6265, 63.8517
YIQ	125.3000, 1.1370, 51.0010

Conversions

Conversions Part 2

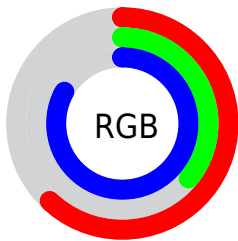
Format	Color
R_{YB}	158, 92, 211
Decimal	10378451
CIE _{Lab}	51.41, 48.67, -51.18
CIE _{LCh}	51, 70.624, 313.561
Yxy	19.6265, 0.2623, 0.1734
Android (android.graphics.Color)	4288568531 (0xFF9E5CD3)
YUV	125.3000, 42.2501, 28.6779
Hunter-Lab	44.3018, 42.0805, -54.4428

Details

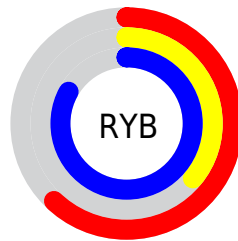
The XYZ color **29.6856, 19.6265, 63.8517** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **36.9033, 53.3813, 18.4843**, and the grayscale version is **19.4565, 20.4698, 22.2916**.

A 20% lighter version of the original color is **56.1997, 41.9179, 99.7366**, and **12.3872, 6.8697, 32.1256** is the 20% darker color. If you saturate the color by 10%, you get **26.3276, 15.5498, 63.2421**, and if you desaturate by 10%, it is **33.6955, 24.7954, 64.6384**.

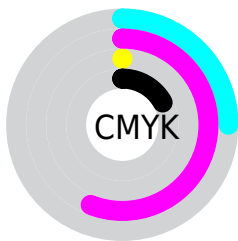
Distribution



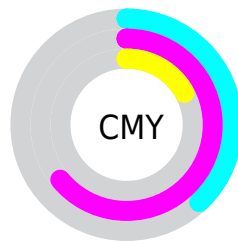
- Red (62%)
- Green (36%)
- Blue (83%)



- Red (62%)
- Yellow (36%)
- Blue (83%)



- Cyan (25%)
- Magenta (56%)
- Yellow (0%)
- Black (17%)



- Cyan (38%)
- Magenta (64%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6856, 19.6265, 63.8517 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 29.6856, 19.6265, 63.8517 by changing the saturation by 10% instead.

■ 29.6856, 19.6265,
63.8517

■ 29.6856, 19.6265,
63.8517

292.3724,
249.8859, 456.8467

■ 19.7470, 12.1238,
46.0852

■ 58.5547, 42.7901,
111.9947

■ 12.3184, 6.8281,
31.9639

■ 78.2158, 59.2198,
143.2083

■ 7.0347, 3.3548,
21.0693

■ 101.8485, 79.3940,
179.7413

■ 3.5303, 1.3197,
12.9829

■ 129.8180,
103.6971, 222.0123

■ 1.4400, 0.1563,
7.2862

162.4899,
132.5134, 270.4398

■ 0.2845, 0.0000,
3.5606

200.2293,

■ 0.0000, 0.0000,

166.2274, 325.4423

1.3875

243.4017,
205.2234, 387.4384

■ 0.0000, 0.0000,
0.1320

■ 0.0000, 0.0000,
0.0000

■ 29.6856, 19.6265,
63.8517

■ 29.6856, 19.6265,
63.8517

■ 26.3276, 15.5498,
63.2421

■ 33.6955, 24.7954,
64.6384

■ 23.5724, 12.4744,
62.7938

■ 38.3964, 31.1327,
65.6139

■ 21.3670, 10.2983,
62.4900

■ 43.8267, 38.7101,
66.7902

■ 19.6437, 8.8909,
62.3091

■ 50.0212, 47.5930,
68.1783

19.0979, 8.4871,
62.2600

57.0123, 57.8419,
69.7881

64.8303, 69.5134,
71.6289

73.5039, 82.6611,
73.7095

81.1812, 93.5772,
75.4119

84.3346, 95.2028,
75.5594

Harmonies

Analogous

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



22.0291, 19.6265, 86.0120



29.6856, 19.6265, 63.8517



34.9779, 19.6265, 34.3980

Triad

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



29.6856, 19.6265, 63.8517



22.7744, 19.6265, 1.5519



8.3098, 19.6265, 31.8676

Complementary

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



29.6856, 19.6265, 63.8517



36.9033, 53.3813, 18.4843

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.



8.4133, 19.6265, 12.1330



29.6856, 19.6265, 63.8517



15.6433, 19.6265, 1.4654

Square

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



29.6856, 19.6265, 63.8517



30.3488, 19.6265, 4.1968



10.7632, 19.6265, 3.7466



10.4320, 19.6265, 61.0250

Rectangle

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



29.6856, 19.6265, 63.8517



35.7896, 19.6265, 19.0404



10.7632, 19.6265, 3.7466



8.1056, 19.6265, 23.8821

Sweetspot

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



29.6864, 19.6273, 63.8522



75.9965, 71.9126, 104.4828



26.3817, 27.3984, 65.5263



15.8363, 14.7709, 22.2664



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.



29.6864, 19.6273, 63.8522



39.3455, 22.6327, 96.9026



41.7170, 25.9139, 60.5928



11.7817, 11.7363, 14.8880



11.6451, 5.1836, 37.5793



0.7417, 0.3365, 2.1054

Inverse Universe

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



35.8023, 23.5480, 29.4462



50.4701, 29.7316, 35.8006



29.9106, 49.7452, 19.5688



12.0244, 11.8945, 13.4042



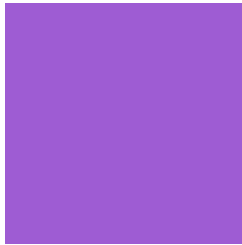
17.4809, 8.8652, 7.4383



1.0171, 0.5115, 0.6248

Previews

White Background



This preview shows how the XYZ color 29.6856, 19.6265, 63.8517 looks on a white background.

Color Contrast Check

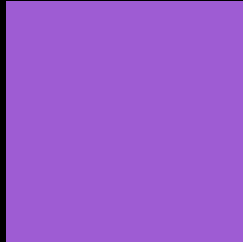
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6856, 19.6265, 63.8517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

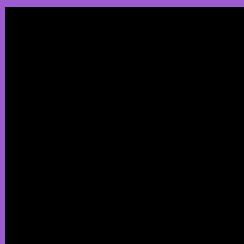
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6856, 19.6265, 63.8517

Background



This preview shows how black text looks on a background with the XYZ color 29.6856, 19.6265, 63.8517.



This preview shows how white text looks on a background with the XYZ color 29.6856, 19.6265,

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

29.6856, 19.6265, 63.8517

Protanopia

23.4456, 20.0968, 83.5323

Deuteranopia

20.6110, 20.0520, 60.5417



Tritanopia

21.0965, 19.5563, 21.7316

Trichromacy



Original Color

29.6856, 19.6265, 63.8517



Protanomaly

23.7866, 18.7629, 75.7667



Deuteranomaly

22.4235, 18.8600, 61.4900



Tritanomaly

23.4712, 19.2116, 33.9236

Monochromacy



Original Color

29.6856, 19.6265, 63.8517



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

22.2224, 19.5289, 34.0507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6856, 19.6265, 63.8517 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(158, 92, 211)` looks like.

```
.text, #text, p{  
    color:rgb(158, 92, 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(158, 92, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 92, 211) }
```

Border

The CSS property to change the border of an element to XYZ 29.6856, 19.6265, 63.8517 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(158, 92, 211) }
```


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

```
.border{ border-color:rgb(158, 92, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 92, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 92, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 92, 211);  
box-shadow:4px 4px 4px 4px rgb(158, 92,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6856, 19.6265, 63.8517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 92, 211) }
```

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

```
.background{ background-color: rgb(158, 92,  
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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