

Converting Colors

XYZ(30.0932, 19.7642, 65.9811)

Have a look what the booklet for
XYZ(30.0932, 19.7642, 65.9811)
contains.

XYZ(30.0653, 19.7784, 65.8513)	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(30.0653, 19.7784,
65.8513)**

Conversions

Conversions Part 1

Format	Color
Hex	9E5CD6
RGB	158, 92, 214
RGB Percent	62%, 36%, 84%
CMY	0.3804, 0.6392, 0.1608
CMYK	0.26, 0.57, 0.00, 0.16
HSL	272°, 60%, 60%
HSV	272°, 57%, 84%
XYZ	30.0653, 19.7784, 65.8513
YIQ	125.6420, 0.1740, 51.9340

Conversions

Conversions Part 2

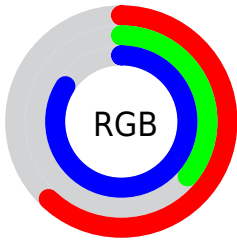
Format	Color
R _Y B	158, 92, 214
Decimal	10378454
CIE Lab	51.59, 49.36, -52.61
CIE LCh	52, 72.139, 313.177
Yxy	19.7784, 0.2599, 0.1710
Android (android.graphics.Color)	4288568534 (0xFF9E5CD6)
YUV	125.6420, 43.5605, 28.3780
Hunter-Lab	44.4729, 42.8449, -56.6600

Details

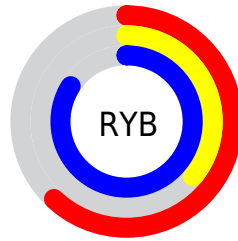
The XYZ color **30.0653, 19.7784, 65.8513** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **38.1913, 55.1620, 18.7602**, and the grayscale version is **19.5676, 20.5867, 22.4189**.

A 20% lighter version of the original color is **56.1997, 41.9179, 99.7366**, and **12.5580, 6.9381, 33.0251** is the 20% darker color. If you saturate the color by 10%, you get **26.6110, 15.6238, 65.2318**, and if you desaturate by 10%, it is **34.1991, 25.0610, 66.6534**.

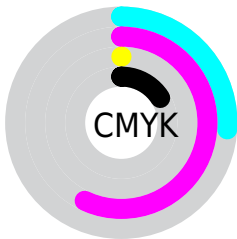
Distribution



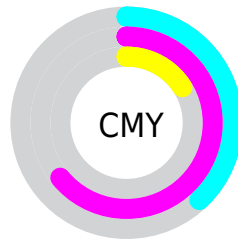
- Red (62%)
- Green (36%)
- Blue (84%)



- Red (62%)
- Yellow (36%)
- Blue (84%)



- Cyan (26%)
- Magenta (57%)
- Yellow (0%)
- Black (16%)



- Cyan (38%)
- Magenta (64%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0653, 19.7784, 65.8513 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 30.0653, 19.7784, 65.8513 by changing the saturation by 10% instead.

30.0653, 19.7784,
65.8513

30.0653, 19.7784,
65.8513

294.1131,
250.7129, 464.2346

20.0365, 12.2341,
47.6960

59.1513, 43.0453,
114.8978

12.5300, 6.9033,
33.2279

78.9393, 59.5367,
146.6262

7.1805, 3.4017,
22.0286

102.7110, 79.7793,
183.7159

3.6225, 1.3449,
13.6794

130.8318,
104.1574, 226.5856

1.4909, 0.1756,
7.7618

163.6670,
133.0554, 275.6537

0.3196, 0.0000,
3.8573

201.5821,

0.0000, 0.0000,

166.8577, 331.3389

1.5474

244.9423,
205.9488, 394.0597

■ 0.0000, 0.0000,
0.2529

■ 0.0000, 0.0000,
0.0000

■ 30.0653, 19.7784,
65.8513

■ 30.0653, 19.7784,
65.8513

■ 26.6110, 15.6238,
65.2318

■ 34.1991, 25.0610,
66.6534

■ 23.7849, 12.5025,
64.7783

■ 39.0536, 31.5514,
67.6503

■ 21.5310, 10.3070,
64.4733

■ 44.6691, 39.3243,
68.8547

■ 19.7754, 8.8956,
64.2934

■ 51.0820, 48.4479,
70.2777

■ 19.3100, 8.5526,
64.2517

■ 58.3264, 58.9853,
71.9298

■ 66.4339, 70.9955,
73.8207

■ 75.4346, 84.5341,
75.9596

■ 82.6841, 94.3082,
77.4640

■ 86.0467, 96.0416,
77.6214

Harmonies

Analogous

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



22.1654, 19.7784, 88.6686



30.0653, 19.7784, 65.8513



35.5855, 19.7784, 35.3087

Triad

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



30.0653, 19.7784, 65.8513



23.1372, 19.7784, 1.4564



8.2161, 19.7784, 32.0000

Complementary

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



30.0653, 19.7784, 65.8513



38.1913, 55.1620, 18.7602

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.



8.3493, 19.7784, 11.9099



30.0653, 19.7784, 65.8513



15.7916, 19.7784, 1.3498

Square

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



30.0653, 19.7784, 65.8513



30.9328, 19.7784, 4.1239



10.7706, 19.7784, 3.5545



10.3429, 19.7784, 62.1326

Rectangle

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



30.0653, 19.7784, 65.8513



36.4745, 19.7784, 19.3939



10.7706, 19.7784, 3.5545



8.0183, 19.7784, 23.8288

Sweetspot

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



30.0661, 19.7792, 65.8518



75.8008, 71.8117, 104.4737



27.2887, 28.6048, 67.7017



15.7901, 14.7471, 22.2642



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.



30.0661, 19.7792, 65.8518



38.8083, 22.3558, 96.8774



43.1837, 26.6008, 63.7880



12.3780, 12.3363, 15.6663



11.7930, 5.2320, 38.8415



0.8063, 0.3645, 2.3472

Inverse Universe

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



36.9043, 24.0890, 30.7216



50.6771, 29.8144, 36.8905



30.5751, 51.2146, 19.3569



12.6580, 12.5147, 14.1391



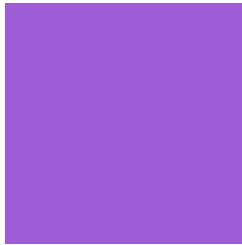
18.1522, 9.1972, 8.1056



1.1364, 0.5713, 0.7074

Previews

White Background



This preview shows how the XYZ color 30.0653, 19.7784, 65.8513 looks on a white background.

Color Contrast Check

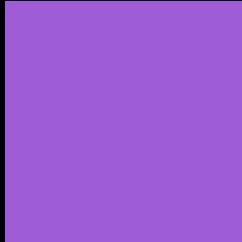
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0653, 19.7784, 65.8513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

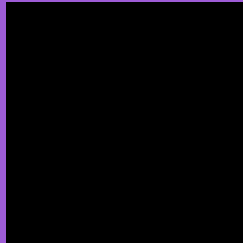
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.0653, 19.7784, 65.8513

Background



This preview shows how black text looks on a background with the XYZ color 30.0653, 19.7784, 65.8513.



This preview shows how white text looks on a background with the XYZ color 30.0653, 19.7784,

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

30.0653, 19.7784, 65.8513

Protanopia

23.6929, 20.1729, 85.8641

Deuteranopia

20.5845, 20.0103, 61.8089



Tritanopia

21.1024, 19.7222, 22.0966

Trichromacy



Original Color

30.0653, 19.7784, 65.8513



Protanomaly

23.9169, 18.7815, 77.9659



Deuteranomaly

22.4640, 18.8382, 63.4249



Tritanomaly

23.5562, 19.2456, 34.3715

Monochromacy



Original Color

30.0653, 19.7784, 65.8513



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

22.6701, 19.9065, 34.9953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0653, 19.7784, 65.8513 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(158, 92, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 92, 214) }
```

Border

The CSS property to change the border of an element to XYZ 30.0653, 19.7784, 65.8513 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, 214) }
```


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

```
.border{ border-color:rgb(158, 92, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 92, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 92, 214);  
box-shadow:4px 4px 4px 4px rgb(158, 92,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0653, 19.7784, 65.8513 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, 214) }
```

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

```
.background{ background-color: rgb(158, 92,  
214) }
```

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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