

# Converting Colors

XYZ(29.6013, 20.4039, 62.1615)

Have a look what the booklet for  
XYZ(29.6013, 20.4039, 62.1615)  
contains.

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# Color

**XYZ(29.6575, 20.4575,  
62.0601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9D62D0
RGB	157, 98, 208
RGB Percent	62%, 38%, 82%
CMY	0.3843, 0.6157, 0.1843
CMYK	0.25, 0.53, 0.00, 0.18
HSL	272°, 54%, 60%
HSV	272°, 53%, 82%
XYZ	29.6575, 20.4575, 62.0601
YIQ	128.1810, -0.1460, 46.7180

# Conversions

## Conversions Part 2

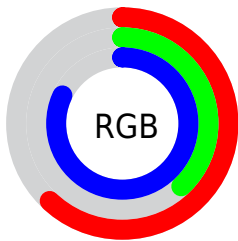
Format	Color
R <sub>Y</sub> B	157, 98, 208
Decimal	10314448
CIE Lab	52.35, 44.52, -47.98
CIE LCh	52, 65.450, 312.857
Yxy	20.4575, 0.2644, 0.1824
Android (android.graphics.Color)	4288504528 (0xFF9D62D0)
YUV	128.1810, 39.3508, 25.2743
Hunter-Lab	45.2300, 37.8908, -49.6909

# Details

The XYZ color **29.6575, 20.4575, 62.0601** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **37.1552, 52.3835, 19.7086**, and the grayscale version is **20.4491, 21.5140, 23.4288**.

A 20% lighter version of the original color is **56.8482, 43.6494, 100.0367**, and **12.2862, 7.2386, 30.8866** is the 20% darker color. If you saturate the color by 10%, you get **26.1505, 16.1265, 61.4093**, and if you desaturate by 10%, it is **33.8203, 25.8778, 62.8873**.

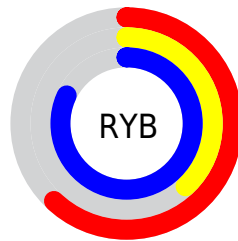
# Distribution



Red (62%)

Green (38%)

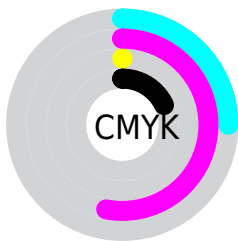
Blue (82%)



Red (62%)

Yellow (38%)

Blue (82%)

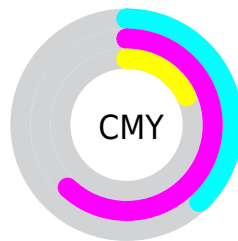


Cyan (25%)

Magenta (53%)

Yellow (0%)

Black (18%)



Cyan (38%)

Magenta (62%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6575, 20.4575, 62.0601 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 29.6575, 20.4575, 62.0601 by changing the saturation by 10% instead.



■ 29.6575, 20.4575,  
62.0601

■ 29.6575, 20.4575,  
62.0601

292.2433,  
254.3812, 450.1640

■ 19.7255, 12.7280,  
44.6452

■ 58.5105, 44.1829,  
109.3848

■ 12.3028, 7.2415,  
30.8371

■ 78.1622, 60.9476,  
140.1317

■ 7.0239, 3.6136,  
20.2174

■ 101.7845, 81.4929,  
176.1596

■ 3.5235, 1.4599,  
12.3675

■ 129.7429,  
106.2031, 217.8871

■ 1.4363, 0.2602,  
6.8689

162.4026,  
135.4626, 265.7328

■ 0.2819, 0.0000,  
3.3031

200.1290,

■ 0.0000, 0.0000,

169.6559, 320.1151

1.2514

243.2874,  
209.1673, 381.4527

■ 0.0000, 0.0000,  
0.0214

■ 0.0000, 0.0000,  
0.0000

■ 29.6575, 20.4575,  
62.0601

■ 29.6575, 20.4575,  
62.0601

■ 26.1505, 16.1265,  
61.4093

■ 33.8203, 25.8778,  
62.8873

■ 23.2533, 12.8007,  
60.9201


■ 38.6754, 32.4582,  
63.9015


■ 20.9171, 10.3867,  
60.5773


■ 44.2594, 40.2663,  
65.1143

■ 19.0829, 8.7718,  
60.3622


■ 50.6053, 49.3634,  
66.5358


 18.0123, 7.9705,  
60.2640

 57.7439, 59.8069,  
68.1753

 65.7045, 71.6505,  
70.0418

 74.5143, 84.9451,  
72.1436

 81.1262, 93.5919,  
73.4641

 84.3819, 95.2703,  
73.6165

# Harmonies

## Analogous

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



22.4728, 20.4575, 81.5852



29.6575, 20.4575, 62.0601



34.6422, 20.4575, 35.1025

# Triad

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



29.6575, 20.4575, 62.0601



23.5195, 20.4575, 2.3021



9.3490, 20.4575, 31.5960

# Complementary

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



29.6575, 20.4575, 62.0601



37.1552, 52.3835, 19.7086

# 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.



9.5038, 20.4575, 13.0285



29.6575, 20.4575, 62.0601



16.7008, 20.4575, 2.1475

# Square

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



29.6575, 20.4575, 62.0601



30.5748, 20.4575, 5.3664



11.8947, 20.4575, 4.6419



11.4077, 20.4575, 58.2550



# Rectangle

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



29.6575, 20.4575, 62.0601



35.4711, 20.4575, 20.4755



11.8947, 20.4575, 4.6419



9.1608, 20.4575, 24.1764

# Sweetspot

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



29.6583, 20.4583, 62.0606



76.7672, 73.2617, 104.7026



27.2230, 28.7519, 63.7898



15.9793, 15.0321, 22.3092



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.



29.6583, 20.4583, 62.0606



41.0273, 25.0535, 97.2812



41.3197, 26.5215, 60.2784



11.7606, 11.7254, 14.8870



11.3388, 5.0257, 37.5649



0.7251, 0.3280, 2.1047



# Inverse Universe

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



35.8053, 24.3157, 31.2402



52.4195, 32.1860, 40.9029



29.9752, 48.6616, 20.2973



12.0335, 11.8981, 13.4522



17.5885, 8.9083, 8.0054

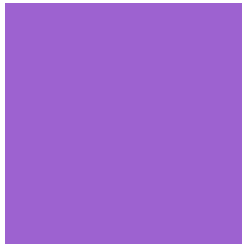


1.0233, 0.5140, 0.6576



# Previews

## White Background



This preview shows how the XYZ color 29.6575, 20.4575, 62.0601 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

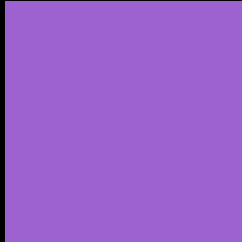
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 29.6575, 20.4575, 62.0601 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

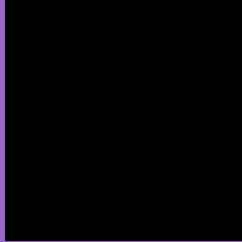
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 29.6575, 20.4575, 62.0601**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.6575, 20.4575, 62.0601.



This preview shows how white text looks on a background with the XYZ color 29.6575, 20.4575,



# 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

29.6575, 20.4575, 62.0601

### Protanopia

23.7154, 20.7095, 78.3487

### Deuteranopia

21.3460, 20.8482, 58.7762



## Tritanopia

21.6369, 20.3288, 22.8621

# Trichromacy



## Original Color

29.6575, 20.4575, 62.0601

## Protanomaly

24.5912, 19.9047, 72.3579

## Deuteranomaly

23.2079, 19.9762, 59.7593

## Tritanomaly

23.8979, 20.0651, 34.0659

# Monochromacy



## Original Color

29.6575, 20.4575, 62.0601

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

23.0946, 20.6459, 34.6661

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.6575, 20.4575, 62.0601 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(157, 98, 208)` looks like.

```
.text, #text, p{  
    color:rgb(157, 98, 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(157, 98, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 98, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 29.6575, 20.4575, 62.0601 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(157, 98, 208) }
```



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

```
.border{ border-color:rgb(157, 98, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 98, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 98, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 98, 208);  
box-shadow:4px 4px 4px 4px rgb(157, 98,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.6575, 20.4575, 62.0601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 98, 208) }
```

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

```
.background{ background-color: rgb(157, 98,  
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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