

Converting Colors

XYZ(28.7365, 20.6085, 59.5902)

Have a look what the booklet for
XYZ(28.7365, 20.6085, 59.5902)
contains.

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Color

**XYZ(28.7873, 20.6347,
59.5924)**

Conversions

Conversions Part 1

Format	Color
Hex	9966CC
RGB	153, 102, 204
RGB Percent	60%, 40%, 80%
CMY	0.4000, 0.6000, 0.2000
CMYK	0.25, 0.50, 0.00, 0.20
HSL	270°, 50%, 60%
HSV	270°, 50%, 80%
XYZ	28.7873, 20.6347, 59.5924
YIQ	128.8770, -2.3460, 42.5340

Conversions

Conversions Part 2

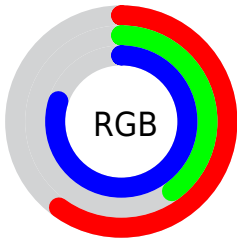
Format	Color
R _Y B	153, 102, 204
Decimal	10053324
CIE _{Lab}	52.55, 40.32, -45.41
CIE _{LCh}	53, 60.728, 311.601
Y _{xy}	20.6347, 0.2641, 0.1893
Android (android.graphics.Color)	4288243404 (0xFF9966CC)
YUV	128.8770, 37.0356, 21.1559
Hunter-Lab	45.4254, 33.6257, -45.9831

Details

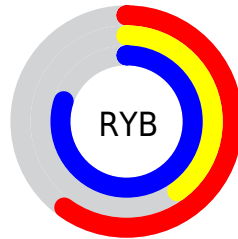
The XYZ color **28.7873, 20.6347, 59.5924** is a light color, and the websafe version is hex **9966CC**, and the color name is **amethyst**. A complement of this color would be **37.1286, 50.9178, 20.4424**, and the grayscale version is **20.6992, 21.7771, 23.7153**.

A 20% lighter version of the original color is **55.9001, 43.8865, 100.1324**, and **11.8435, 7.3688, 29.2319** is the 20% darker color. If you saturate the color by 10%, you get **25.1801, 16.1565, 58.9185**, and if you desaturate by 10%, it is **33.0540, 26.1858, 60.4394**.

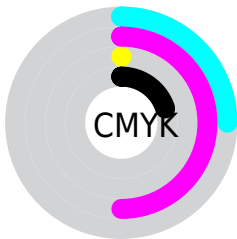
Distribution



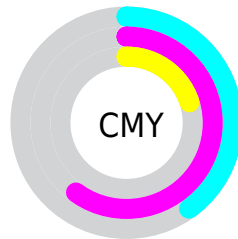
- Red (60%)
- Green (40%)
- Blue (80%)



- Red (60%)
- Yellow (40%)
- Blue (80%)



- Cyan (25%)
- Magenta (50%)
- Yellow (0%)
- Black (20%)




- Cyan (40%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7873, 20.6347, 59.5924 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 28.7873, 20.6347, 59.5924 by changing the saturation by 10% instead.

 28.7873, 20.6347,
59.5924

 28.7873, 20.6347,
59.5924


288.2224,
255.3307, 440.8566


 19.0634, 12.8572,
42.6670


 57.1389, 44.4788,
105.7757


 11.8204, 7.3303,
29.2945


 76.4973, 61.3142,
135.8708

 6.6928, 3.6695,
19.0562


 99.7980, 81.9377,
171.1928

 3.3154, 1.4905,
11.5337

 127.4063,
106.7337, 212.1604

 1.3226, 0.2820,
6.3083

159.6875,
136.0866, 259.1920

 0.2001, 0.0000,
2.9617

197.0070,

 0.0000, 0.0000,

170.3808, 312.7062

1.0751

239.7302,
210.0007, 373.1216

■ 0.0000, 0.0000,
0.0000

■ 28.7873, 20.6347,
59.5924

■ 28.7873, 20.6347,
59.5924

■ 25.1801, 16.1565,
58.9185

■ 33.0540, 26.1858,
60.4394

■ 22.1889, 12.6731,
58.4038

■ 38.0147, 32.8757,
61.4692

■ 19.7684, 10.0989,
58.0345

■ 43.7044, 40.7675,
62.6926

■ 17.8644, 8.3323,
57.7939

■ 50.1547, 49.9192,
64.1191

■ 16.3790, 7.1846,
57.6506

■ 57.3952, 60.3846,
65.7575

■ 16.3788, 7.1845,
57.6506

■ 65.4538, 72.2146,
67.6161

■ 74.3573, 85.4571,
69.7030

■ 80.7888, 93.4741,
70.9114

■ 84.2462, 95.2565,
71.0732

Harmonies

Analogous

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



22.1464, 20.6347, 76.3357



28.7873, 20.6347, 59.5924



33.4711, 20.6347, 35.2681

Triad

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



28.7873, 20.6347, 59.5924



23.6827, 20.6347, 3.0232



9.9915, 20.6347, 30.1768

Complementary

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



28.7873, 20.6347, 59.5924



37.1286, 50.9178, 20.4424

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.



10.2301, 20.6347, 13.2131



28.7873, 20.6347, 59.5924



17.2799, 20.6347, 2.7526

Square

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



28.7873, 20.6347, 59.5924



30.1169, 20.6347, 6.4255



12.6294, 20.6347, 5.2456



11.8882, 20.6347, 54.1994

Rectangle

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



28.7873, 20.6347, 59.5924



34.3548, 20.6347, 21.5139



12.6294, 20.6347, 5.2456



9.8377, 20.6347, 23.4492

Sweetspot

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



28.7881, 20.6355, 59.5929



77.3491, 74.5284, 104.9164



27.7705, 29.9677, 61.4478



16.0751, 15.2718, 22.3505



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.



28.7881, 20.6355, 59.5929



41.2766, 26.2471, 97.4984



40.5528, 26.7004, 60.1435



11.1272, 11.1149, 14.1293



10.4163, 4.5774, 36.2908



0.6249, 0.2813, 1.8763

Inverse Universe

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



35.4035, 24.6407, 33.0277



54.0775, 33.9972, 46.0947



29.4713, 46.9703, 20.0840



11.4423, 11.3057, 12.8640



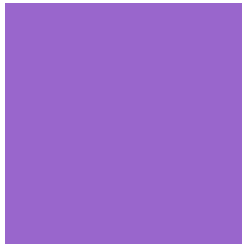
17.2300, 8.7026, 8.9298



0.9272, 0.4643, 0.6624

Previews

White Background



This preview shows how the XYZ color 28.7873, 20.6347, 59.5924 looks on a white background.

Color Contrast Check

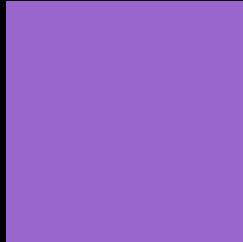
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7873, 20.6347, 59.5924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

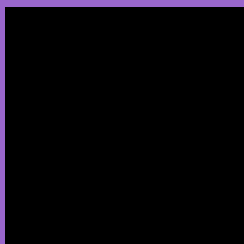
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.7873, 20.6347, 59.5924

Background



This preview shows how black text looks on a background with the XYZ color 28.7873, 20.6347, 59.5924.



This preview shows how white text looks on a background with the XYZ color 28.7873, 20.6347,

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

28.7873, 20.6347, 59.5924

Protanopia

23.4207, 20.8665, 72.6053

Deuteranopia

21.4258, 20.9300, 56.9435



Tritanopia

21.4941, 20.5934, 23.6109

Trichromacy



Original Color

28.7873, 20.6347, 59.5924

Protanomaly

24.3511, 20.2226, 67.5857

Deuteranomaly

23.2106, 20.1908, 57.9322

Tritanomaly

23.5829, 20.2303, 34.1144

Monochromacy



Original Color

28.7873, 20.6347, 59.5924

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.0788, 20.9972, 34.2890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7873, 20.6347, 59.5924 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(153, 102, 204)` looks like.

```
.text, #text, p{  
    color:rgb(153, 102, 204)  
}
```

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(153, 102, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 102, 204) }
```

Border

The CSS property to change the border of an element to XYZ 28.7873, 20.6347, 59.5924 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(153, 102, 204) }
```


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

```
.border{ border-color:rgb(153, 102, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 102, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 102, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 102, 204);  
box-shadow:4px 4px 4px 4px rgb(153, 102,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7873, 20.6347, 59.5924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 102, 204) }
```

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

```
.background{ background-color: rgb(153,  
102, 204) }
```

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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