

Converting Colors

XYZ(30.4165, 20.3228, 56.6340)

Have a look what the booklet for
XYZ(30.4165, 20.3228, 56.6340)
contains.

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Color

**XYZ(30.3716, 20.2771,
56.3459)**

Conversions

Conversions Part 1

Format	Color
Hex	A85DC7
RGB	168, 93, 199
RGB Percent	66%, 36%, 78%
CMY	0.3412, 0.6353, 0.2196
CMYK	0.16, 0.53, 0.00, 0.22
HSL	282°, 49%, 57%
HSV	282°, 53%, 78%
XYZ	30.3716, 20.2771, 56.3459
YIQ	127.5090, 10.6740, 48.8660

Conversions

Conversions Part 2

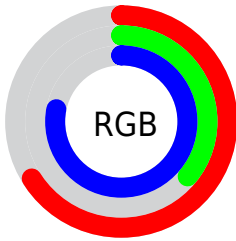
Format	Color
R _Y B	168, 93, 199
Decimal	11034055
CIE Lab	52.15, 48.09, -43.07
CIE LCh	52, 64.556, 318.149
Yxy	20.2771, 0.2839, 0.1895
Android (android.graphics.Color)	4289224135 (0xFFA85DC7)
YUV	127.5090, 35.2451, 35.5106
Hunter-Lab	45.0301, 41.5908, -42.6682

Details

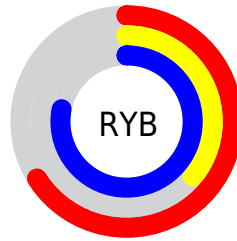
The XYZ color **30.3716, 20.2771, 56.3459** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **30.7120, 45.9227, 17.6021**, and the grayscale version is **20.2285, 21.2819, 23.1760**.

A 20% lighter version of the original color is **59.3802, 43.7853, 99.9295**, and **12.6370, 7.1102, 27.0919** is the 20% darker color. If you saturate the color by 10%, you get **27.6355, 16.6027, 55.7812**, and if you desaturate by 10%, it is **33.6191, 24.8905, 57.0656**.

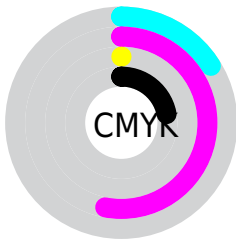
Distribution



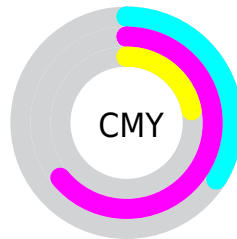
- Red (66%)
- Green (36%)
- Blue (78%)



- Red (66%)
- Yellow (36%)
- Blue (78%)



- Cyan (16%)
- Magenta (53%)
- Yellow (0%)
- Black (22%)



- Cyan (34%)
- Magenta (64%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3716, 20.2771, 56.3459 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 30.3716, 20.2771, 56.3459 by changing the saturation by 10% instead.

■ 30.3716, 20.2771,
56.3459

■ 30.3716, 20.2771,
56.3459

295.5116,
253.4113, 428.4186

■ 20.2703, 12.5966,
40.0745

■ 59.6319, 43.8813,
101.0010

■ 12.7011, 7.1514,
27.2824

■ 79.5217, 60.5738,
130.2217

■ 7.2986, 3.5570,
17.5511

■ 103.4050, 81.0391,
164.5959

■ 3.6975, 1.4290,
10.4621

■ 131.6471,
105.6615, 204.5422

■ 1.5325, 0.2379,
5.5968

164.6135,
134.8256, 250.4791

■ 0.3478, 0.0000,
2.5367

202.6695,

■ 0.0000, 0.0000,

168.9157, 302.8251

0.8595

246.1804,
208.3161, 361.9988

■ 0.0000, 0.0000,
0.0000

■ 30.3716, 20.2771,
56.3459

■ 30.3716, 20.2771,
56.3459

■ 27.6355, 16.6027,
55.7812

■ 33.6191, 24.8905,
57.0656

■ 25.3718, 13.7925,
55.3581

■ 37.4085, 30.5052,
57.9496

■ 23.5389, 11.7638,
55.0631

■ 41.7707, 37.1809,
59.0082

■ 22.0863, 10.4164,
54.8796

■ 46.7332, 44.9718,
60.2504

■ 21.2599, 9.7690,
54.7982

■ 52.3217, 53.9284,
61.6847

■ 58.5604, 64.0981,
63.3188

■ 65.4722, 75.5256,
65.1603

■ 73.0787, 88.2532,
67.2160

■ 75.6991, 90.9185,
67.5924

Harmonies

Analogous

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



23.5078, 20.2771, 77.8543



30.3716, 20.2771, 56.3459



34.5750, 20.2771, 30.4269

Triad

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



30.3716, 20.2771, 56.3459



22.0019, 20.2771, 2.1813



9.5444, 20.2771, 35.4640

Complementary

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



30.3716, 20.2771, 56.3459



30.7120, 45.9227, 17.6021

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.



9.3200, 20.2771, 15.4163



30.3716, 20.2771, 56.3459



15.5796, 20.2771, 2.4100

Square

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



30.3716, 20.2771, 56.3459



29.0544, 20.2771, 4.5517



11.2728, 20.2771, 5.6113



11.9773, 20.2771, 61.7918

Rectangle

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



30.3716, 20.2771, 56.3459



34.7859, 20.2771, 17.3114



11.2728, 20.2771, 5.6113



9.2324, 20.2771, 27.6486

Sweetspot

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



30.3724, 20.2779, 56.3463



79.1329, 74.4812, 104.8133



22.1321, 21.0682, 56.9332



16.5446, 15.3235, 22.3357



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.



30.3724, 20.2779, 56.3463



47.6681, 28.1443, 97.5278



35.4839, 23.1779, 44.6184



10.7693, 10.6549, 13.4065



13.7613, 6.3285, 35.2406



0.7212, 0.3355, 1.6719

Inverse Universe

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



31.1062, 21.4268, 21.5659



49.7487, 30.7592, 27.9438



27.9870, 44.3940, 23.0741



10.7593, 10.6871, 11.7160



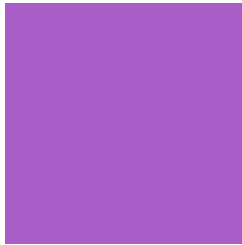
15.6731, 8.0188, 3.4887



0.7743, 0.3926, 0.3348

Previews

White Background



This preview shows how the XYZ color 30.3716, 20.2771, 56.3459 looks on a white background.

Color Contrast Check

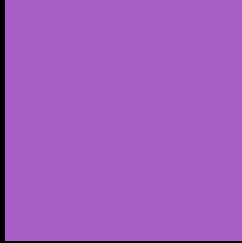
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3716, 20.2771, 56.3459 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 30.3716, 20.2771, 56.3459

Background



This preview shows how black text looks on a background with the XYZ color 30.3716, 20.2771, 56.3459.



This preview shows how white text looks on a background with the XYZ color 30.3716, 20.2771,

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

30.3716, 20.2771, 56.3459

Protanopia

23.2520, 20.5668, 73.9784

Deuteranopia

21.0497, 20.4392, 53.2878



Tritanopia

23.0666, 20.2587, 20.7837

Trichromacy



Original Color

30.3716, 20.2771, 56.3459

Protanomaly

24.2635, 19.5149, 67.4537

Deuteranomaly

23.2267, 19.6019, 54.1891

Tritanomaly

25.0761, 19.9516, 30.9632

Monochromacy



Original Color

30.3716, 20.2771, 56.3459

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.2912, 20.4342, 33.2885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3716, 20.2771, 56.3459 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(168, 93, 199)` looks like.

```
.text, #text, p{  
    color:rgb(168, 93, 199)  
}
```

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(168, 93, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 93, 199) }
```

Border

The CSS property to change the border of an element to XYZ 30.3716, 20.2771, 56.3459 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(168, 93, 199) }
```


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

```
.border{ border-color:rgb(168, 93, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 93, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 93, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 93, 199);  
box-shadow:4px 4px 4px 4px rgb(168, 93,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3716, 20.2771, 56.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 93, 199) }
```

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

```
.background{ background-color: rgb(168, 93,  
199) }
```

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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