

Converting Colors

XYZ(28.5599, 20.8391, 46.2094)

Have a look what the booklet for
XYZ(28.5599, 20.8391, 46.2094)
contains.

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Color

**XYZ(28.6089, 20.8383,
46.2304)**

Conversions

Conversions Part 1

Format	Color
Hex	A566B5
RGB	165, 102, 181
RGB Percent	65%, 40%, 71%
CMY	0.3529, 0.6000, 0.2902
CMYK	0.09, 0.44, 0.00, 0.29
HSL	288°, 35%, 55%
HSV	288°, 44%, 71%
XYZ	28.6089, 20.8383, 46.2304
YIQ	129.8430, 12.1890, 37.9250

Conversions

Conversions Part 2

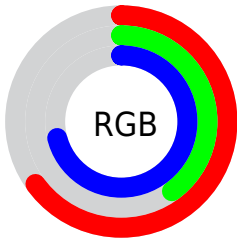
Format	Color
R_{YB}	165, 102, 181
Decimal	10839733
CIE _{Lab}	52.77, 38.66, -31.75
CIE _{LCh}	53, 50.022, 320.603
Yxy	20.8383, 0.2990, 0.2178
Android (android.graphics.Color)	4289029813 (0xFFA566B5)
YUV	129.8430, 25.2204, 30.8327
Hunter-Lab	45.6490, 31.9829, -28.0909

Details

The XYZ color **28.6089, 20.8383, 46.2304** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **26.3941, 37.8591, 18.4878**, and the grayscale version is **21.0741, 22.1716, 24.1449**.

A 20% lighter version of the original color is **56.8262, 44.9293, 85.7979**, and **11.6798, 7.3940, 21.2337** is the 20% darker color. If you saturate the color by 10%, you get **26.2691, 17.2739, 45.6660**, and if you desaturate by 10%, it is **31.3604, 25.1924, 46.9261**.

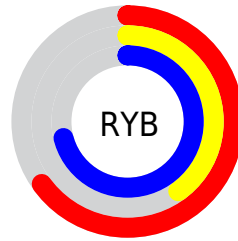
Distribution



Red (65%)

Green (40%)

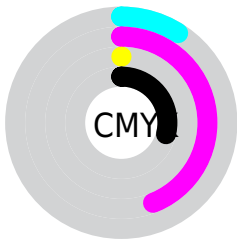
Blue (71%)



Red (65%)

Yellow (40%)

Blue (71%)

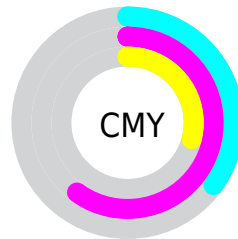


Cyan (9%)

Magenta (44%)

Yellow (0%)

Black (29%)



Cyan (35%)

Magenta (60%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6089, 20.8383, 46.2304 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 28.6089, 20.8383, 46.2304 by changing the saturation by 10% instead.

■ 28.6089, 20.8383,
46.2304

■ 28.6089, 20.8383,
46.2304

287.3927,
256.4179, 388.0386

■ 18.9280, 13.0059,
32.0777

■ 56.8570, 44.8183,
85.9016

■ 11.7219, 7.4326,
21.1555

■ 76.1549, 61.7346,
112.2572

■ 6.6255, 3.7341,
13.0454

■ 99.3891, 82.4476,
143.5175

■ 3.2732, 1.5259,
7.3287

■ 126.9250,
107.3418, 180.1011

■ 1.2998, 0.3069,
3.5870

159.1279,
136.8016, 222.4264

■ 0.1831, 0.0000,
1.4016

196.3633,

■ 0.0000, 0.0000,

171.2112, 270.9121

0.1430

238.9965,
210.9552, 325.9767

■ 0.0000, 0.0000,
0.0000

■ 28.6089, 20.8383,
46.2304

■ 28.6089, 20.8383,
46.2304

■ 26.2691, 17.2739,
45.6660

■ 31.3604, 25.1924,
46.9261

■ 24.3130, 14.4454,
45.2232

■ 34.5448, 30.3801,
47.7596

■ 22.7126, 12.2964,
44.8927

■ 38.1843, 36.4453,
48.7385

■ 21.4348, 10.7610,
44.6637

■ 42.2992, 43.4278,
49.8694

■ 20.4400, 9.7601,
44.5230

■ 46.9082, 51.3651,
51.1585

■ 19.9021, 9.2964,
44.4618

■ 52.0292, 60.2926,
52.6118

■ 57.6790, 70.2439,
54.2348

■ 63.8739, 81.2509,
56.0329

■ 67.3876, 86.8611,
56.9306

Harmonies

Analogous

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



23.5482, 20.8383, 61.5799



28.6089, 20.8383, 46.2304



31.4367, 20.8383, 27.7081

Triad

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



28.6089, 20.8383, 46.2304



21.4887, 20.8383, 4.5143



11.8252, 20.8383, 34.3688

Complementary

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



28.6089, 20.8383, 46.2304



26.3941, 37.8591, 18.4878

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.



11.4695, 20.8383, 18.3165



28.6089, 20.8383, 46.2304



16.4832, 20.8383, 5.0273

Square

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



28.6089, 20.8383, 46.2304



26.8759, 20.8383, 6.9468



13.0243, 20.8383, 8.9083



14.0996, 20.8383, 52.9007

Rectangle

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



28.6089, 20.8383, 46.2304



31.3868, 20.8383, 17.8049



13.0243, 20.8383, 8.9083



11.4950, 20.8383, 28.3942

Sweetspot

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



28.6096, 20.8392, 46.2309



68.6841, 65.7726, 87.3699



20.4316, 19.3834, 46.3809



14.5206, 13.6706, 18.7956



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.6096, 20.8392, 46.2309



47.3470, 31.3840, 81.8569



30.0329, 21.8173, 35.2557



8.6781, 8.5581, 10.7008



13.7776, 6.4384, 30.6536



0.4763, 0.2246, 0.9665

Inverse Universe

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



27.0781, 20.6354, 19.6964



44.5285, 31.1323, 27.4478



25.6665, 37.3380, 25.0513



8.5644, 8.5325, 9.2047



13.3840, 6.8712, 1.9163



0.4416, 0.2244, 0.1683

Previews

White Background



This preview shows how the XYZ color 28.6089, 20.8383, 46.2304 looks on a white background.

Color Contrast Check

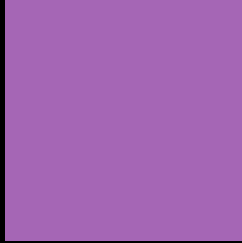
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6089, 20.8383, 46.2304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

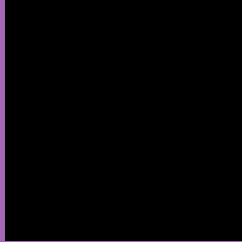
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.6089, 20.8383, 46.2304

Background



This preview shows how black text looks on a background with the XYZ color 28.6089, 20.8383, 46.2304.



This preview shows how white text looks on a background with the XYZ color 28.6089, 20.8383,

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

28.6089, 20.8383, 46.2304

Protanopia

22.5535, 21.1355, 56.9237

Deuteranopia

21.5761, 21.0928, 44.5291



Tritanopia

23.6735, 20.8848, 21.8522

Trichromacy



Original Color

28.6089, 20.8383, 46.2304

Protanomaly

23.7859, 20.4341, 52.5597

Deuteranomaly

23.4504, 20.6041, 44.8605

Tritanomaly

25.1840, 20.6698, 29.4504

Monochromacy



Original Color

28.6089, 20.8383, 46.2304

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.4690, 21.4425, 31.3356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6089, 20.8383, 46.2304 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(165, 102, 181)` looks like.

```
.text, #text, p{  
    color:rgb(165, 102, 181)  
}
```

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(165, 102, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 102, 181) }
```

Border

The CSS property to change the border of an element to XYZ 28.6089, 20.8383, 46.2304 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(165, 102, 181) }
```


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

```
.border{ border-color:rgb(165, 102, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 102, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 102, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 102, 181);  
box-shadow:4px 4px 4px 4px rgb(165, 102,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6089, 20.8383, 46.2304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 102, 181) }
```

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

```
.background{ background-color: rgb(165,  
102, 181) }
```

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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