

Converting Colors

XYZ(28.7319, 22.4988, 45.7351)

Have a look what the booklet for
XYZ(28.7319, 22.4988, 45.7351)
contains.

XYZ(28.6288, 22.4201, 45.4664)	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(28.6288, 22.4201,
45.4664)**

Conversions

Conversions Part 1

Format	Color
Hex	A170B3
RGB	161, 112, 179
RGB Percent	63%, 44%, 70%
CMY	0.3686, 0.5608, 0.2980
CMYK	0.10, 0.37, 0.00, 0.30
HSL	284°, 31%, 57%
HSV	284°, 37%, 70%
XYZ	28.6288, 22.4201, 45.4664
YIQ	134.2890, 7.6970, 31.2250

Conversions

Conversions Part 2

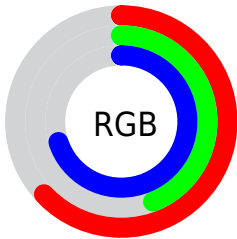
Format	Color
RYB	161, 112, 179
Decimal	10580147
CIELab	54.47, 31.41, -27.99
CIELCh	54, 42.074, 318.301
Yxy	22.4201, 0.2966, 0.2323
Android (android.graphics.Color)	4288770227 (0xFFA170B3)
YUV	134.2890, 22.0425, 23.4255
Hunter-Lab	47.3499, 25.0629, -23.7867

Details

The XYZ color **28.6288, 22.4201, 45.4664** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.2514, 38.1564, 21.2062**, and the grayscale version is **22.6864, 23.8678, 25.9921**.

A 20% lighter version of the original color is **57.0658, 47.6601, 84.7889**, and **11.7277, 8.2495, 20.7129** is the 20% darker color. If you saturate the color by 10%, you get **25.8963, 18.3657, 44.8282**, and if you desaturate by 10%, it is **31.7927, 27.2809, 46.2382**.

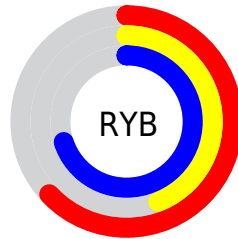
Distribution



Red (63%)

Green (44%)

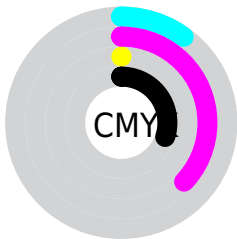
Blue (70%)



Red (63%)

Yellow (44%)

Blue (70%)

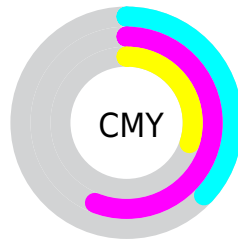


Cyan (10%)

Magenta (37%)

Yellow (0%)

Black (30%)



Cyan (37%)

Magenta (56%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6288, 22.4201, 45.4664 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 28.6288, 22.4201, 45.4664 by changing the saturation by 10% instead.

■ 28.6288, 22.4201,
45.4664

■ 28.6288, 22.4201,
45.4664

287.4854,
264.7324, 384.8743

■ 18.9431, 14.1659,
31.4793

■ 56.8885, 47.4394,
84.7457

■ 11.7329, 8.2361,
20.7026

■ 76.1931, 64.9732,
110.8750

■ 6.6330, 4.2464,
12.7177

■ 99.4347, 86.3691,
141.8888

■ 3.2779, 1.8123,
7.1060

■ 126.9787,
112.0113, 178.2057

■ 1.3024, 0.4948,
3.4490

159.1904,
142.2844, 220.2441

■ 0.1850, 0.0000,
1.3282

196.4352,

■ 0.0000, 0.0000,

177.5727, 268.4227

0.0848

239.0784,
218.2605, 323.1599

■ 0.0000, 0.0000,
0.0000

■ 28.6288, 22.4201,
45.4664

■ 28.6288, 22.4201,
45.4664

■ 25.8963, 18.3657,
44.8282

■ 31.7927, 27.2809,
46.2382

■ 23.5691, 15.0677,
44.3143

■ 35.4077, 32.9882,
47.1493

■ 21.6216, 12.4753,
43.9165

■ 39.4947, 39.5831,
48.2069

■ 20.0244, 10.5297,
43.6252

■ 44.0727, 47.1031,
49.4171

■ 18.7428, 9.1627,
43.4289

■ 49.1598, 55.5833,
50.7858

■ 17.7256, 8.2721,
43.3106

■ 54.7728, 65.0572,
52.3186

■ 17.4831, 8.0729,
43.2849

■ 60.9280, 75.5566,
54.0208

■ 67.5756, 86.9816,
55.8757

■ 68.8759, 87.6519,
55.9365

Harmonies

Analogous

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



24.2130, 22.4201, 57.2732



28.6288, 22.4201, 45.4664



31.2102, 22.4201, 29.9234

Triad

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



28.6288, 22.4201, 45.4664



23.1560, 22.4201, 7.0471



13.9595, 22.4201, 33.2727

Complementary

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



28.6288, 22.4201, 45.4664



28.2514, 38.1564, 21.2062

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.



13.7614, 22.4201, 19.6221



28.6288, 22.4201, 45.4664



18.6481, 22.4201, 7.3825

Square

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



28.6288, 22.4201, 45.4664



27.7597, 22.4201, 9.9501



15.3581, 22.4201, 11.1293



15.9452, 22.4201, 48.6653

Rectangle

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



28.6288, 22.4201, 45.4664



31.3279, 22.4201, 20.9301



15.3581, 22.4201, 11.1293



13.6934, 22.4201, 28.2594

Sweetspot

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



28.6296, 22.4210, 45.4669



67.8818, 66.2631, 85.5935



22.9337, 22.9285, 45.8650



14.8212, 14.3284, 18.9067



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.



28.6296, 22.4210, 45.4669



47.1441, 34.0072, 80.4605



31.1298, 23.8708, 38.3186



8.6229, 8.5296, 10.6982



12.4186, 5.7378, 30.5900



0.4427, 0.2073, 0.9649

Inverse Universe

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



28.4145, 22.7847, 24.0203



46.9394, 34.8950, 35.5725



26.6023, 37.2052, 25.6941



8.5870, 8.5415, 9.3237



13.5389, 6.9331, 2.7320



0.4509, 0.2281, 0.2170

Previews

White Background



This preview shows how the XYZ color 28.6288, 22.4201, 45.4664 looks on a white background.

Color Contrast Check

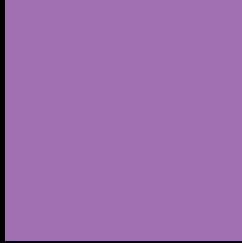
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6288, 22.4201, 45.4664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

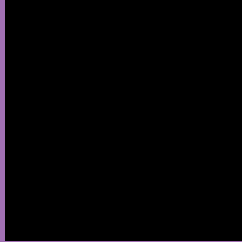
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.6288, 22.4201, 45.4664

Background



This preview shows how black text looks on a background with the XYZ color 28.6288, 22.4201, 45.4664.



This preview shows how white text looks on a background with the XYZ color 28.6288, 22.4201,

45.4664.

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

28.6288, 22.4201, 45.4664

Protanopia

23.5403, 22.4953, 52.9705

Deuteranopia

23.1579, 22.6867, 44.2327



Tritanopia

24.3827, 22.4278, 24.5166

Trichromacy



Original Color

28.6288, 22.4201, 45.4664

Protanomaly

24.8313, 22.0961, 49.9699

Deuteranomaly

24.8503, 22.4086, 44.6105

Tritanomaly

25.7284, 22.2631, 30.9581

Monochromacy



Original Color

28.6288, 22.4201, 45.4664

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.4675, 23.0530, 32.0143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6288, 22.4201, 45.4664 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(161, 112, 179)` looks like.

```
.text, #text, p{  
    color:rgb(161, 112, 179)  
}
```

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(161, 112, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 112, 179) }
```

Border

The CSS property to change the border of an element to XYZ 28.6288, 22.4201, 45.4664 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(161, 112, 179) }
```


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

```
.border{ border-color:rgb(161, 112, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 112, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 112, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 112, 179);  
box-shadow:4px 4px 4px 4px rgb(161, 112,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6288, 22.4201, 45.4664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 112, 179) }
```

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

```
.background{ background-color: rgb(161,  
112, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor