

Converting Colors

XYZ(28.3472, 25.1052, 45.5714)

Have a look what the booklet for
XYZ(28.3472, 25.1052, 45.5714)
contains.

XYZ(28.3327, 25.1367, 45.4781)	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(28.3327, 25.1367,
45.4781)**

Conversions

Conversions Part 1

Format	Color
Hex	9680B2
RGB	150, 128, 178
RGB Percent	59%, 50%, 70%
CMY	0.4118, 0.4980, 0.3020
CMYK	0.16, 0.28, 0.00, 0.30
HSL	266°, 25%, 60%
HSV	266°, 28%, 70%
XYZ	28.3327, 25.1367, 45.4781
YIQ	140.2780, -2.9380, 20.2140

Conversions

Conversions Part 2

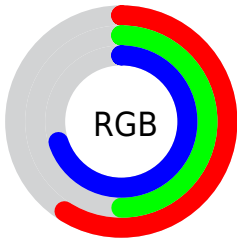
Format	Color
RYB	150, 128, 178
Decimal	9863346
CIELab	57.21, 18.45, -23.28
CIELCh	57, 29.705, 308.401
Yxy	25.1367, 0.2863, 0.2540
Android (android.graphics.Color)	4288053426 (0xFF9680B2)
YUV	140.2780, 18.5969, 8.5262
Hunter-Lab	50.1365, 13.1334, -18.6855

Details

The XYZ color **28.3327, 25.1367, 45.4781** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **33.5278, 40.4679, 26.4672**, and the grayscale version is **24.9667, 26.2669, 28.6047**.

A 20% lighter version of the original color is **56.5520, 51.9674, 84.8920**, and **11.5347, 9.6693, 20.6605** is the 20% darker color. If you saturate the color by 10%, you get **24.4547, 19.9885, 44.6892**, and if you desaturate by 10%, it is **32.7757, 31.1820, 46.4112**.

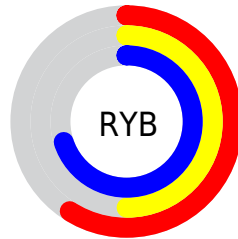
Distribution



Red (59%)

Green (50%)

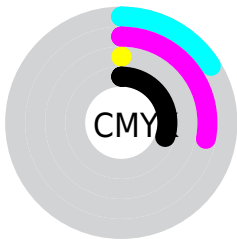
Blue (70%)



Red (59%)

Yellow (50%)

Blue (70%)

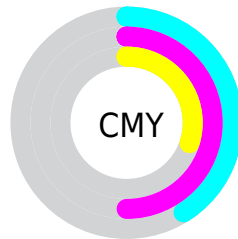


Cyan (16%)

Magenta (28%)

Yellow (0%)

Black (30%)



Cyan (41%)

Magenta (50%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3327, 25.1367, 45.4781 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 28.3327, 25.1367, 45.4781 by changing the saturation by 10% instead.

■ 28.3327, 25.1367,
45.4781

■ 28.3327, 25.1367,
45.4781

286.1046,
278.5180, 384.9229

■ 18.7183, 16.1789,
31.4885

■ 56.4201, 51.8789,
84.7634

■ 11.5697, 9.6509,
20.7095

■ 75.6239, 70.4321,
110.8962

■ 6.5215, 5.1681,
12.7227

■ 98.7548, 92.9526,
141.9138

■ 3.2084, 2.3462,
7.1094

126.1783,
119.8248, 178.2348

■ 1.2649, 0.7980,
3.4511

158.2596,
151.4330, 220.2776

■ 0.1567, 0.0000,
1.3293

195.3643,

■ 0.0000, 0.0000,

188.1617, 268.4609

0.0857

237.8575,
230.3952, 323.2031

■ 0.0000, 0.0000,
0.0000

■ 28.3327, 25.1367,
45.4781

■ 28.3327, 25.1367,
45.4781

■ 24.4547, 19.9885,
44.6892

■ 32.7757, 31.1820,
46.4112

■ 21.1140, 15.6897,
44.0355

■ 37.8047, 38.1627,
47.4935

■ 18.2844, 12.1928,
43.5097

■ 43.4426, 46.1185,
48.7320

■ 15.9358, 9.4444,
43.1030

■ 49.7101, 55.0860,
50.1326

■ 14.0349, 7.3841,
42.8055

■ 56.6272, 65.0997,
51.7009

■ 12.5430, 5.9415,
42.6057

■ 64.2127, 76.1926,
53.4422

■ 11.4001, 5.0035,
42.4848

■ 72.4848, 88.3963,
55.3618

■ 11.2040, 4.8476,
42.4651

■ 76.3482, 91.5157,
55.7602

■ 79.6348, 93.2100,
55.9141

Harmonies

Analogous

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



24.8911, 25.1367, 51.2821



28.3327, 25.1367, 45.4781



30.7303, 25.1367, 35.1169

Triad

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



28.3327, 25.1367, 45.4781



26.4625, 25.1367, 13.0474



17.8191, 25.1367, 30.2910

Complementary

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



28.3327, 25.1367, 45.4781



33.5278, 40.4679, 26.4672

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.



18.1512, 25.1367, 20.8548



28.3327, 25.1367, 45.4781



22.9194, 25.1367, 12.3584

Square

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



28.3327, 25.1367, 45.4781



29.5791, 25.1367, 17.0356



19.9408, 25.1367, 14.8472



18.9844, 25.1367, 41.2130

Rectangle

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



28.3327, 25.1367, 45.4781



31.2910, 25.1367, 27.9124



19.9408, 25.1367, 14.8472



17.7618, 25.1367, 26.8339

Sweetspot

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



28.3335, 25.1377, 45.4787



68.5076, 69.1374, 86.1153



28.8833, 31.6934, 46.7151



14.8601, 14.8732, 19.0098



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.



28.3335, 25.1377, 45.4787



46.6951, 39.3361, 81.5127



33.3602, 27.7291, 45.7139



8.3850, 8.4070, 10.6871



8.0864, 3.5045, 30.3872



0.3218, 0.1450, 0.9593

Inverse Universe

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



32.0808, 27.3046, 35.0331



54.8279, 44.0434, 58.6370



29.2293, 38.2519, 26.2660



8.6889, 8.5823, 9.8604



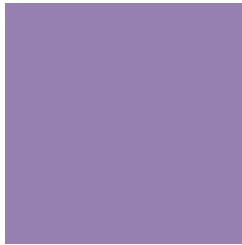
14.8038, 7.4391, 9.3927



0.4945, 0.2456, 0.4468

Previews

White Background



This preview shows how the XYZ color 28.3327, 25.1367, 45.4781 looks on a white background.

Color Contrast Check

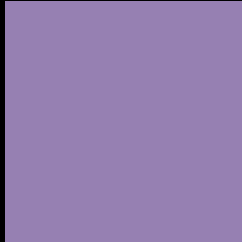
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3327, 25.1367, 45.4781 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 28.3327, 25.1367, 45.4781

Background



This preview shows how black text looks on a background with the XYZ color 28.3327, 25.1367, 45.4781.



This preview shows how white text looks on a background with the XYZ color 28.3327, 25.1367,

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

28.3327, 25.1367, 45.4781

Protanopia

25.7681, 25.3541, 48.8831

Deuteranopia

25.8057, 25.2481, 45.1082



Tritanopia

25.1375, 25.0238, 30.2933

Trichromacy



Original Color

28.3327, 25.1367, 45.4781

Protanomaly

26.5039, 25.1390, 47.7114

Deuteranomaly

26.5036, 24.9952, 45.0226

Tritanomaly

26.1911, 25.0478, 35.3526

Monochromacy



Original Color

28.3327, 25.1367, 45.4781

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.1385, 25.8707, 34.1877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3327, 25.1367, 45.4781 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(150, 128, 178)` looks like.

```
.text, #text, p{  
    color:rgb(150, 128, 178)  
}
```

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(150, 128, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 128, 178) }
```

Border

The CSS property to change the border of an element to XYZ 28.3327, 25.1367, 45.4781 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(150, 128, 178) }
```


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

```
.border{ border-color:rgb(150, 128, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 128, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 128, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 128, 178);  
box-shadow:4px 4px 4px 4px rgb(150, 128,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3327, 25.1367, 45.4781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 128, 178) }
```

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

```
.background{ background-color: rgb(150,  
128, 178) }
```

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