

Converting Colors

XYZ(25.4968, 12.2856, 46.5294)

Have a look what the booklet for
XYZ(25.4968, 12.2856, 46.5294)
contains.

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Color

**XYZ(25.5440, 12.3140,
46.3779)**

Conversions

Conversions Part 1

Format	Color
Hex	AB09B8
RGB	171, 9, 184
RGB Percent	67%, 4%, 72%
CMY	0.3294, 0.9646, 0.2784
CMYK	0.07, 0.95, 0.00, 0.28
HSL	296°, 91%, 38%
HSV	296°, 95%, 72%
XYZ	25.5440, 12.3140, 46.3779
YIQ	77.3880, 40.3770, 88.7690

Conversions

Conversions Part 2

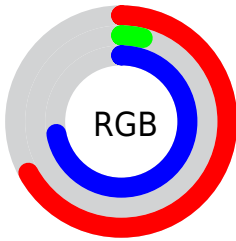
Format	Color
RYB	171, 9, 184
Decimal	11209144
CIELab	41.71, 73.91, -50.98
CIELCh	42, 89.788, 325.405
Yxy	12.3140, 0.3032, 0.1462
Android (android.graphics.Color)	4289399224 (0xFFAB09B8)
YUV	77.3880, 52.5597, 82.0977
Hunter-Lab	35.0913, 68.5256, -53.7958

Details

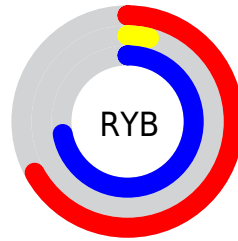
The XYZ color **25.5440, 12.3140, 46.3779** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **17.5212, 34.4716, 5.9892**, and the grayscale version is **7.0281, 7.3941, 8.0522**.

A 20% lighter version of the original color is **51.9185, 29.9903, 86.2714**, and **10.9687, 5.1891, 21.5426** is the 20% darker color. If you saturate the color by 10%, you get **25.3011, 12.0438, 46.3387**, and if you desaturate by 10%, it is **26.1475, 13.0762, 46.4934**.

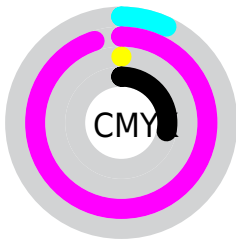
Distribution



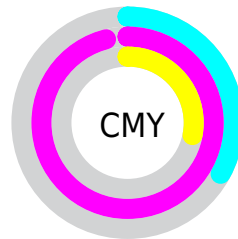
- Red (67%)
- Green (4%)
- Blue (72%)



- Red (67%)
- Yellow (4%)
- Blue (72%)



- Cyan (7%)
- Magenta (95%)
- Yellow (0%)
- Black (28%)





- Cyan (33%)
- Magenta (96%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.5440, 12.3140, 46.3779 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 25.5440, 12.3140, 46.3779 by changing the saturation by 10% instead.

 25.5440, 12.3140,
46.3779

 25.5440, 12.3140,
46.3779

272.8343,
206.4731, 388.6475

 16.6137, 6.9579,
32.1933


 51.9749, 30.0657,
86.1245


 10.0530, 3.4358,
21.2432


 70.2063, 43.2301,
112.5236

 5.4967, 1.3633,
13.1089


 92.2687, 59.7661,
143.8313

 2.5792, 0.1894,
7.3720

 118.5276, 80.0580,
180.4661

 0.9354, 0.0000,
3.6138

 149.3482,
104.4903, 222.8466

 0.0000, 0.0000,
1.4160

 185.0960,

 0.0000, 0.0000,

133.4473, 271.3913

0.1541

226.1362,
167.3134, 326.5188

■ 0.0000, 0.0000,
0.0000

■ 25.5440, 12.3140,
46.3779

■ 25.5440, 12.3140,
46.3779

■ 25.3011, 12.0438,
46.3387

■ 26.1475, 13.0762,
46.4934

■ 27.0183, 14.3687,
46.6970

■ 28.1996, 16.2778,
47.0032

■ 29.7266, 18.8737,
47.4238

■ 31.6296, 22.2170,
47.9688

■ 33.9357, 26.3618,
48.6473

■ 36.6694, 31.3572,
49.4674

■ 39.8532, 37.2481,
50.4367

■ 43.5081, 44.0765,
51.5621

Harmonies

Analogous

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



18.0268, 12.3140, 80.1812



25.5440, 12.3140, 46.3779



29.4276, 12.3140, 16.5309

Triad

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



25.5440, 12.3140, 46.3779



12.7490, 12.3140, 0.0000



3.5828, 12.3140, 35.7862

Complementary

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



25.5440, 12.3140, 46.3779



17.5212, 34.4716, 5.9892

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.



3.0712, 12.3140, 10.7052



25.5440, 12.3140, 46.3779



7.0653, 12.3140, 0.0000

Square

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



25.5440, 12.3140, 46.3779



20.4753, 12.3140, 0.0000



4.0641, 12.3140, 1.5549



5.8822, 12.3140, 70.9777

Rectangle

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



25.5440, 12.3140, 46.3779



28.6676, 12.3140, 5.8925



4.0641, 12.3140, 1.5549



3.2442, 12.3140, 25.5458

Sweetspot

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



25.5445, 12.3145, 46.3782



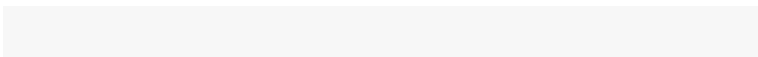
64.2014, 52.6764, 88.9884



9.0831, 4.1558, 45.6710



13.3989, 10.5509, 19.0519



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



25.5445, 12.3145, 46.3782



45.7752, 21.7862, 83.9972



22.7394, 11.5358, 16.0933



9.3133, 9.1279, 11.3504



17.4634, 8.3139, 31.9374



0.6353, 0.3032, 1.1268

Inverse Universe

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



20.0101, 10.4441, 1.7211



35.9410, 18.5158, 2.2436



18.7736, 34.9474, 13.7241



9.0310, 9.0228, 9.5105



13.6870, 7.0486, 0.9729



0.4917, 0.2521, 0.0826

Previews

White Background



This preview shows how the XYZ color 25.5440, 12.3140, 46.3779 looks on a white background.

Color Contrast Check

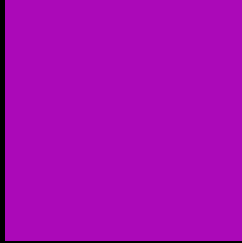
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 25.5440, 12.3140, 46.3779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

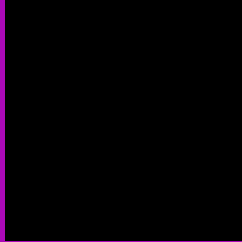
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.5440, 12.3140, 46.3779

Background



This preview shows how black text looks on a background with the XYZ color 25.5440, 12.3140, 46.3779.



This preview shows how white text looks on a background with the XYZ color 25.5440, 12.3140,

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

25.5440, 12.3140, 46.3779

Protanopia

15.1738, 12.9090, 58.8187

Deuteranopia

13.1928, 12.8381, 41.3178



Tritanopia

17.7575, 12.4397, 8.4863

Trichromacy



Original Color

25.5440, 12.3140, 46.3779



Protanomaly

13.9549, 8.8359, 53.7933



Deuteranomaly

14.2194, 9.4822, 42.6758



Tritanomaly

19.3550, 11.2441, 17.6732

Monochromacy



Original Color

25.5440, 12.3140, 46.3779



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

10.9359, 7.0964, 17.3164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5440, 12.3140, 46.3779 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(171, 9, 184)` looks like.

```
.text, #text, p{  
    color:rgb(171, 9, 184)  
}
```

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(171, 9, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 9, 184) }
```

Border

The CSS property to change the border of an element to XYZ 25.5440, 12.3140, 46.3779 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(171, 9, 184) }
```


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

```
.border{ border-color:rgb(171, 9, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 9, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 9, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 9, 184);  
box-shadow:4px 4px 4px 4px rgb(171, 9,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5440, 12.3140, 46.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 9, 184) }
```

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

```
.background{ background-color: rgb(171, 9,  
184) }
```

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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