

Converting Colors

XYZ(25.4957, 12.2653, 40.8717)

Have a look what the booklet for
XYZ(25.4957, 12.2653, 40.8717)
contains.

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Color

**XYZ(25.5445, 12.2861,
41.0695)**

Conversions

Conversions Part 1

Format	Color
Hex	B000AE
RGB	176, 0, 174
RGB Percent	69%, 0%, 68%
CMY	0.3098, 0.9999, 0.3176
CMYK	0.00, 1.00, 0.01, 0.31
HSL	301°, 100%, 35%
HSV	301°, 100%, 69%
XYZ	25.5445, 12.2861, 41.0695
YIQ	72.4600, 49.0420, 91.4260

Conversions

Conversions Part 2

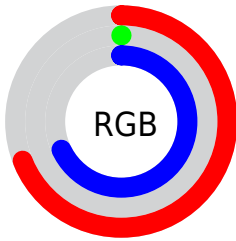
Format	Color
RYB	176, 0, 174
Decimal	11534510
CIELab	41.67, 74.10, -45.08
CIELCh	42, 86.737, 328.687
Yxy	12.2861, 0.3238, 0.1557
Android (android.graphics.Color)	4289724590 (0xFFB000AE)
YUV	72.4600, 50.0592, 90.8046
Hunter-Lab	35.0515, 68.7452, -44.9334

Details

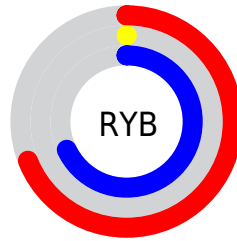
The XYZ color **25.5445, 12.2861, 41.0695** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.5369, 31.0557, 5.2335**, and the grayscale version is **6.1513, 6.4716, 7.0476**.

A 20% lighter version of the original color is **51.7924, 29.8723, 77.8991**, and **10.9224, 5.2320, 18.5234** is the 20% darker color. If you saturate the color by 10%, you get **25.5448, 12.2863, 41.0696**, and if you desaturate by 10%, it is **25.7745, 12.7144, 41.2426**.

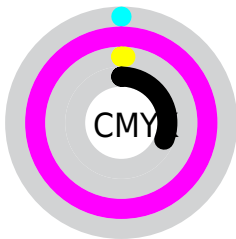
Distribution



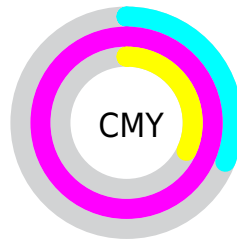
- Red (69%)
- Green (0%)
- Blue (68%)



- Red (69%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.5445, 12.2861, 41.0695 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 25.5445, 12.2861, 41.0695 by changing the saturation by 10% instead.

 25.5445, 12.2861,
41.0695


 25.5445, 12.2861,
41.0695


272.8367,
206.2903, 366.2962


 16.6141, 6.9388,
28.0533


 51.9758, 30.0151,
78.0442

 10.0533, 3.4239,
18.1264


 70.2073, 43.1657,
102.8398

 5.4969, 1.3568,
10.8704


 92.2699, 59.6861,
132.3989

 2.5794, 0.1846,
5.8667

 118.5290, 79.9608,
167.1400

 0.9354, 0.0000,
2.6967

 149.3498,
104.3742, 207.4818

 0.0000, 0.0000,
0.9418

 185.0978,

 0.0000, 0.0000,

133.3106, 253.8428

0.0000

226.1384,
167.1545, 306.6414

■ 25.5445, 12.2861,
41.0695

■ 25.5445, 12.2861,
41.0695

■ 25.5448, 12.2863,
41.0696

■ 25.7745, 12.7144,
41.2426

■ 26.1914, 13.5169,
41.4780

■ 26.8684, 14.8395,
41.8003

■ 27.8396, 16.7506,
42.2208

■ 29.1341, 19.3081,
42.7492

■ 30.7774, 22.5632,
43.3940

■ 32.7924, 26.5618,
44.1629

■ 35.2002, 31.3459,
45.0628

■ 38.0203, 36.9544,
46.1004

Harmonies

Analogous

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



18.5834, 12.2861, 73.5914



25.5445, 12.2861, 41.0695



28.6583, 12.2861, 14.1961

Triad

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



25.5445, 12.2861, 41.0695



11.9600, 12.2861, 0.0000



3.9013, 12.2861, 38.2029

Complementary

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



25.5445, 12.2861, 41.0695



15.5369, 31.0557, 5.2335

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.



3.2239, 12.2861, 12.5909



25.5445, 12.2861, 41.0695



6.7375, 12.2861, 0.0000

Square

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



25.5445, 12.2861, 41.0695



19.2528, 12.2861, 0.0000



4.0378, 12.2861, 2.1848



6.4068, 12.2861, 71.1189

Rectangle

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



25.5445, 12.2861, 41.0695



27.5075, 12.2861, 5.0035



4.0378, 12.2861, 2.1848



3.5035, 12.2861, 28.0218

Sweetspot

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



25.5450, 12.2867, 41.0697



59.2601, 47.7493, 80.0150



7.8370, 3.1352, 41.2670



12.5022, 9.6723, 17.2114



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



25.5450, 12.2867, 41.0697



46.3229, 22.2804, 74.4529



19.6669, 9.9354, 10.1159



8.8458, 8.6450, 10.6864



18.7440, 9.0151, 30.1413



0.5911, 0.2842, 0.9553

Inverse Universe

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



25.5450, 12.2867, 41.0697



46.3229, 22.2804, 74.4529



17.2877, 31.7560, 14.4531



8.8458, 8.6450, 10.6864



18.7440, 9.0151, 30.1413



0.5911, 0.2842, 0.9553

Previews

White Background



This preview shows how the XYZ color 25.5445, 12.2861, 41.0695 looks on a white background.

Color Contrast Check

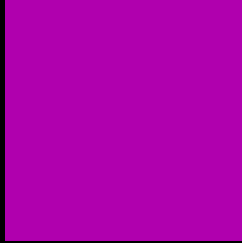
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5445, 12.2861, 41.0695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

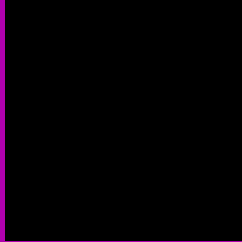
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.5445, 12.2861, 41.0695

Background



This preview shows how black text looks on a background with the XYZ color 25.5445, 12.2861, 41.0695.



This preview shows how white text looks on a background with the XYZ color 25.5445, 12.2861,

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

25.5445, 12.2861, 41.0695

Protanopia

15.4153, 13.0056, 60.0904

Deuteranopia

13.3411, 13.0118, 36.9303



Tritanopia

18.7868, 12.6146, 7.7480

Trichromacy



Original Color

25.5445, 12.2861, 41.0695



Protanomaly

13.5746, 8.4303, 51.9507



Deuteranomaly

14.4948, 9.3775, 38.0919



Tritanomaly

20.0405, 11.2886, 15.8745

Monochromacy



Original Color

25.5445, 12.2861, 41.0695



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

10.1677, 6.3731, 15.1622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5445, 12.2861, 41.0695 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(176, 0, 174)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 174)  
}
```

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(176, 0, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 174) }
```

Border

The CSS property to change the border of an element to XYZ 25.5445, 12.2861, 41.0695 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(176, 0, 174) }
```


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

```
.border{ border-color:rgb(176, 0, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 0, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 174);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5445, 12.2861, 41.0695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 174) }
```

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

```
.background{ background-color: rgb(176, 0,  
174) }
```

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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