

Converting Colors

XYZ(25.8582, 12.5460, 36.6500)

Have a look what the booklet for
XYZ(25.8582, 12.5460, 36.6500)
contains.

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Color

**XYZ(25.8476, 12.5404,
36.6555)**

Conversions

Conversions Part 1

Format	Color
Hex	B500A5
RGB	181, 0, 165
RGB Percent	71%, 0%, 65%
CMY	0.2902, 0.9999, 0.3529
CMYK	0.00, 1.00, 0.09, 0.29
HSL	305°, 100%, 35%
HSV	305°, 100%, 71%
XYZ	25.8476, 12.5404, 36.6555
YIQ	72.9290, 54.9110, 89.6870

Conversions

Conversions Part 2

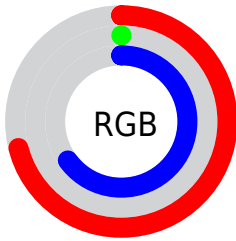
Format	Color
R _Y B	181, 0, 165
Decimal	11862181
CIE Lab	42.06, 73.67, -39.02
CIE LCh	42, 83.368, 332.090
Yxy	12.5404, 0.3444, 0.1671
Android (android.graphics.Color)	4290052261 (0xFFB500A5)
YUV	72.9290, 45.3910, 94.7783
Hunter-Lab	35.4124, 68.3158, -36.5825

Details

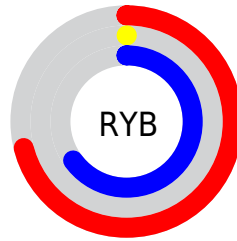
The XYZ color **25.8476, 12.5404, 36.6555** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.6181, 33.0857, 6.0015**, and the grayscale version is **6.2397, 6.5647, 7.1489**.

A 20% lighter version of the original color is **52.6546, 30.5768, 71.5333**, and **11.0930, 5.3808, 15.7832** is the 20% darker color. If you saturate the color by 10%, you get **25.8476, 12.5404, 36.6546**, and if you desaturate by 10%, it is **26.2128, 13.0358, 37.5005**.

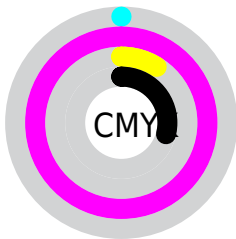
Distribution



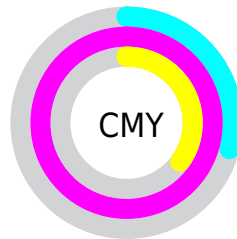
- Red (71%)
- Green (0%)
- Blue (65%)



- Red (71%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8476, 12.5404, 36.6555 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 25.8476, 12.5404, 36.6555 by changing the saturation by 10% instead.


 25.8476, 12.5404,
36.6555


 25.8476, 12.5404,
36.6555


274.3036,
207.9508, 346.9403

 16.8417, 7.1128,
24.6472


 52.4620, 30.4756,
71.2230


 10.2163, 3.5328,
15.5978


 70.8013, 43.7520,
94.6193


 5.6060, 1.4158,
9.0887


 92.9825, 60.4135,
122.6486

 2.6454, 0.2283,
4.7015

 119.3709, 80.8444,
155.7296

 0.9691, 0.0000,
2.0175

 150.3318,
105.4292, 194.2807

 0.0000, 0.0000,
0.5660

 186.2307,

 0.0000, 0.0000,

134.5523, 238.7205

0.0000

227.4328,
168.5980, 289.4675

■ 25.8476, 12.5404,
36.6555

■ 25.8476, 12.5404,
36.6555

■ 25.8476, 12.5404,
36.6546

■ 26.2128, 13.0358,
37.5005

■ 26.7806, 13.9339,
38.4220

■ 27.6275, 15.3873,
39.4455

■ 28.7902, 17.4693,
40.5835

■ 30.2999, 20.2423,
41.8462

■ 32.1838, 23.7608,
43.2428

■ 34.4667, 28.0743,
44.7816

■ 37.1710, 33.2277,
46.4700

■ 40.3177, 39.2627,
48.3152

Harmonies

Analogous

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



19.4330, 12.5404, 67.7422



25.8476, 12.5404, 36.6555



28.2249, 12.5404, 12.4477

Triad

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



25.8476, 12.5404, 36.6555



11.4901, 12.5404, 0.0000



4.4079, 12.5404, 40.9771

Complementary

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



25.8476, 12.5404, 36.6555



16.6181, 33.0857, 6.0015

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.



3.5387, 12.5404, 14.9366



25.8476, 12.5404, 36.6555



6.6451, 12.5404, 0.1322

Square

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



25.8476, 12.5404, 36.6555



18.4093, 12.5404, 0.0000



4.1878, 12.5404, 3.1022



7.1679, 12.5404, 71.4258

Rectangle

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



25.8476, 12.5404, 36.6555



26.7134, 12.5404, 4.4239



4.1878, 12.5404, 3.1022



3.9385, 12.5404, 30.9201

Sweetspot

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



25.8481, 12.5410, 36.6557



61.5000, 49.8463, 80.0538



8.5396, 3.4392, 43.9303



12.9101, 10.0497, 17.0499



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.



25.8481, 12.5410, 36.6557



46.2485, 22.4420, 65.4177



20.3413, 10.3383, 7.6577



8.8170, 8.6335, 10.5347



17.8317, 8.6502, 25.3375



0.5705, 0.2759, 0.8468

Inverse Universe

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



25.8481, 12.5410, 36.6557



46.2485, 22.4420, 65.4177



19.1048, 34.0804, 19.0965



8.8170, 8.6335, 10.5347



17.8317, 8.6502, 25.3375



0.5705, 0.2759, 0.8468

Previews

White Background



This preview shows how the XYZ color 25.8476, 12.5404, 36.6555 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

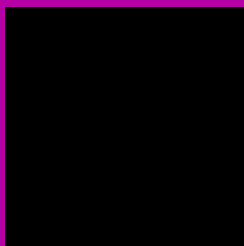
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.8476, 12.5404, 36.6555

Background



This preview shows how black text looks on a background with the XYZ color 25.8476, 12.5404, 36.6555.



This preview shows how white text looks on a background with the XYZ color 25.8476, 12.5404,

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

25.8476, 12.5404, 36.6555

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.5506, 13.2104, 32.8460



Tritanopia

19.9777, 12.9809, 7.0828

Trichromacy



Original Color

25.8476, 12.5404, 36.6555



Protanomaly

13.4838, 8.4093, 50.7816



Deuteranomaly

15.0308, 9.7474, 33.8901



Tritanomaly

20.9708, 11.6993, 14.2496

Monochromacy



Original Color

25.8476, 12.5404, 36.6555



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

10.2606, 6.4393, 14.3378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8476, 12.5404, 36.6555 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(181, 0, 165)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 165)  
}
```

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(181, 0, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 165) }
```

Border

The CSS property to change the border of an element to XYZ 25.8476, 12.5404, 36.6555 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(181, 0, 165) }
```


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

```
.border{ border-color:rgb(181, 0, 165) }
```

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

Here you see how a box with a 4 pixel rgb(181, 0, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 165);  
box-shadow:4px 4px 4px 4px rgb(181, 0,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8476, 12.5404, 36.6555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 165) }
```

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

```
.background{ background-color: rgb(181, 0,  
165) }
```

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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