

Converting Colors

XYZ(25.7087, 12.1960, 52.6292)

Have a look what the booklet for
XYZ(25.7087, 12.1960, 52.6292)
contains.

XYZ(25.6305, 12.1557, 52.6252)	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(25.6305, 12.1557,
52.6252)**

Conversions

Conversions Part 1

Format	Color
Hex	A605C3
RGB	166, 5, 195
RGB Percent	65%, 2%, 76%
CMY	0.3490, 0.9803, 0.2353
CMYK	0.15, 0.97, 0.00, 0.24
HSL	291°, 95%, 39%
HSV	291°, 97%, 76%
XYZ	25.6305, 12.1557, 52.6252
YIQ	74.7990, 34.9660, 93.2220

Conversions

Conversions Part 2

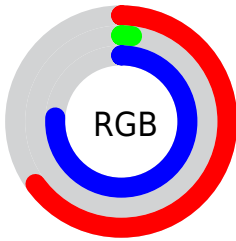
Format	Color
RYB	166, 5, 195
Decimal	10880451
CIELab	41.46, 75.35, -57.88
CIELCh	41, 95.013, 322.468
Yxy	12.1557, 0.2835, 0.1344
Android (android.graphics.Color)	4289070531 (0xFFA605C3)
YUV	74.7990, 59.2591, 79.9833
Hunter-Lab	34.8650, 70.2078, -65.0867

Details

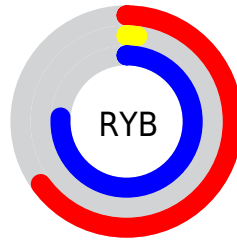
The XYZ color **25.6305, 12.1557, 52.6252** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **20.2028, 39.3817, 6.6806**, and the grayscale version is **6.5461, 6.8870, 7.4999**.

A 20% lighter version of the original color is **51.9498, 29.6914, 95.0884**, and **10.9180, 5.0816, 25.2163** is the 20% darker color. If you saturate the color by 10%, you get **25.4166, 11.9649, 52.5998**, and if you desaturate by 10%, it is **26.5452, 13.0475, 52.7493**.

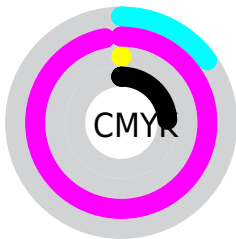
Distribution



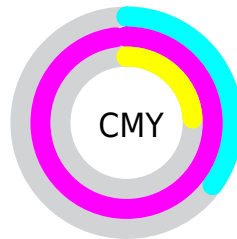
- Red (65%)
- Green (2%)
- Blue (76%)



- Red (65%)
- Yellow (2%)
- Blue (76%)



- Cyan (15%)
- Magenta (97%)
- Yellow (0%)
- Black (24%)




- Cyan (35%)
- Magenta (98%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6305, 12.1557, 52.6252 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 25.6305, 12.1557, 52.6252 by changing the saturation by 10% instead.

 25.6305, 12.1557,
52.6252


 25.6305, 12.1557,
52.6252


273.2536,
205.4334, 413.8709


 16.6786, 6.8498,
37.1180


 52.1138, 29.7784,
95.4886


 10.0995, 3.3683,
25.0023


 70.3760, 42.8639,
123.6818

 5.5278, 1.3269,
15.8598


 92.4723, 59.3115,
156.9408

 2.5980, 0.1619,
9.2717

 118.7681, 79.5055,
195.6841

 0.9449, 0.0000,
4.8196

 149.6288,
103.8303, 240.3302

 0.0000, 0.0000,
2.0849

 185.4197,

 0.0000, 0.0000,

132.6702, 291.2977

0.6068

226.5062,
166.4098, 349.0051

■ 0.0000, 0.0000,
0.0000

■ 25.6305, 12.1557,
52.6252

■ 25.6305, 12.1557,
52.6252

■ 25.4166, 11.9649,
52.5998

■ 26.5452, 13.0475,
52.7493

■ 27.7549, 14.5082,
52.9675

■ 29.3203, 16.6585,
53.3000

■ 31.2836, 19.5830,
53.7611

■ 33.6814, 23.3542,
54.3626

■ 36.5455, 28.0360,
55.1153

■ 39.9050, 33.6864,
56.0289

■ 43.7864, 40.3583,
57.1121

■ 48.2145, 48.1009,
58.3732

Harmonies

Analogous

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



17.4164, 12.1557, 88.8205



25.6305, 12.1557, 52.6252



30.3833, 12.1557, 18.8802

Triad

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



25.6305, 12.1557, 52.6252



13.3855, 12.1557, 0.0000



3.1077, 12.1557, 33.7738

Complementary

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



25.6305, 12.1557, 52.6252



20.2028, 39.3817, 6.6806

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.



2.7496, 12.1557, 8.8455



25.6305, 12.1557, 52.6252



7.1807, 12.1557, 0.0000

Square

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



25.6305, 12.1557, 52.6252



21.6939, 12.1557, 0.0000



3.8919, 12.1557, 0.9512



5.1991, 12.1557, 72.2203

Rectangle

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



25.6305, 12.1557, 52.6252



30.0060, 12.1557, 6.5989



3.8919, 12.1557, 0.9512



2.8267, 12.1557, 23.2766

Sweetspot

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



25.6311, 12.1562, 52.6255



70.1800, 58.1424, 99.9935



10.5648, 5.2758, 52.0915



14.7887, 11.7553, 21.7395



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



25.6311, 12.1562, 52.6255



45.3495, 21.3405, 94.1987



26.7026, 13.3680, 22.8852



10.3414, 10.1672, 12.7022



16.5765, 7.8059, 34.1896



0.7580, 0.3588, 1.4792

Inverse Universe

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



22.8491, 11.8266, 2.5929



40.6666, 20.9230, 3.7743



20.6319, 39.4843, 12.0578



10.1345, 10.1024, 10.7987



14.7978, 7.6089, 1.5816



0.6597, 0.3369, 0.1756

Previews

White Background



This preview shows how the XYZ color 25.6305, 12.1557, 52.6252 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 25.6305, 12.1557, 52.6252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

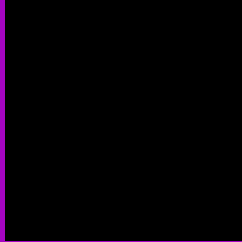
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.6305, 12.1557, 52.6252

Background



This preview shows how black text looks on a background with the XYZ color 25.6305, 12.1557, 52.6252.



This preview shows how white text looks on a background with the XYZ color 25.6305, 12.1557,

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

25.6305, 12.1557, 52.6252

Protanopia

14.9624, 12.6775, 58.1583

Deuteranopia

12.8881, 12.7574, 44.4310



Tritanopia

16.8699, 12.3574, 9.4787

Trichromacy



Original Color

25.6305, 12.1557, 52.6252



Protanomaly

14.0663, 8.6858, 55.5787



Deuteranomaly

12.6276, 8.4778, 46.8698



Tritanomaly

18.4261, 10.7792, 19.8483

Monochromacy



Original Color

25.6305, 12.1557, 52.6252



Achromatopsia

6.6877, 7.0360, 7.6622



Achromatomaly

10.6547, 6.8013, 18.2040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6305, 12.1557, 52.6252 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(166, 5, 195)` looks like.

```
.text, #text, p{  
    color:rgb(166, 5, 195)  
}
```

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(166, 5, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 5, 195) }
```

Border

The CSS property to change the border of an element to XYZ 25.6305, 12.1557, 52.6252 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(166, 5, 195) }
```


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

```
.border{ border-color:rgb(166, 5, 195) }
```

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

Here you see how a box with a 4 pixel rgb(166, 5, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 5, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 5, 195);  
box-shadow:4px 4px 4px 4px rgb(166, 5,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6305, 12.1557, 52.6252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 5, 195) }
```

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

```
.background{ background-color: rgb(166, 5,  
195) }
```

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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