

Converting Colors

XYZ(16.0954, 12.0010, 26.6675)

Have a look what the booklet for
XYZ(16.0954, 12.0010, 26.6675)
contains.

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Color

**XYZ(16.1338, 12.0204,
26.6691)**

Conversions

Conversions Part 1

Format	Color
Hex	7D508D
RGB	125, 80, 141
RGB Percent	49%, 31%, 55%
CMY	0.5098, 0.6863, 0.4471
CMYK	0.11, 0.43, 0.00, 0.45
HSL	284°, 28%, 43%
HSV	284°, 43%, 55%
XYZ	16.1338, 12.0204, 26.6691
YIQ	100.4090, 7.2390, 28.5110

Conversions

Conversions Part 2

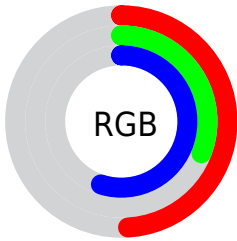
Format	Color
R_{YB}	125, 80, 141
Decimal	8212621
CIE _{Lab}	41.25, 30.08, -26.43
CIE _{LCh}	41, 40.045, 318.698
Yxy	12.0204, 0.2943, 0.2193
Android (android.graphics.Color)	4286402701 (0xFF7D508D)
YUV	100.4090, 20.0114, 21.5663
Hunter-Lab	34.6704, 22.3912, -21.3376

Details

The XYZ color **16.1338, 12.0204, 26.6691** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **15.7971, 22.1160, 11.0262**, and the grayscale version is **12.1671, 12.8007, 13.9400**.

A 20% lighter version of the original color is **36.4234, 29.4891, 55.4020**, and **5.2134, 3.2817, 10.0315** is the 20% darker color. If you saturate the color by 10%, you get **14.6779, 9.8950, 26.3358**, and if you desaturate by 10%, it is **17.8273, 14.5905, 27.0761**.

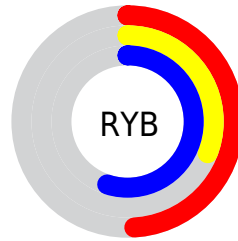
Distribution



Red (49%)

Green (31%)

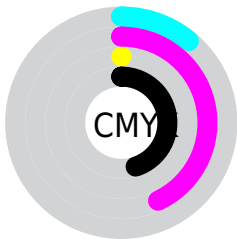
Blue (55%)



Red (49%)

Yellow (31%)

Blue (55%)

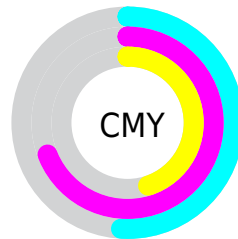


Cyan (11%)

Magenta (43%)

Yellow (0%)

Black (45%)



Cyan (51%)

Magenta (69%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1338, 12.0204, 26.6691 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 16.1338, 12.0204, 26.6691 by changing the saturation by 10% instead.

16.1338, 12.0204,
26.6691

16.1338, 12.0204,
26.6691

223.3849,
204.5403, 299.7607

9.7103, 6.7576,
17.0946

36.3859, 29.5323,
55.3497

5.2681, 3.3110,
10.1393

50.9453, 42.5501,
75.2929

2.4418, 1.2961,
5.3846

68.9473, 58.9217,
99.5294

0.8660, 0.1382,
2.4120

90.7573, 79.0315,
128.4778

0.0000, 0.0000,
0.7930

116.7407,
103.2638, 162.5566

0.0000, 0.0000,
0.0000

147.2629,

132.0032, 202.1843

182.6892,
165.6338, 247.7795

■ 16.1338, 12.0204,
26.6691

■ 16.1338, 12.0204,
26.6691

■ 14.6779, 9.8950,
26.3358

■ 17.8273, 14.5905,
27.0761

■ 13.4445, 8.1854,
26.0708

■ 19.7698, 17.6288,
27.5602

■ 12.4186, 6.8615,
25.8693

■ 21.9735, 21.1590,
28.1254

■ 11.5825, 5.8884,
25.7256

■ 24.4494, 25.2028,
28.7755

■ 10.9154, 5.2248,
25.6327

■ 27.2078, 29.7805,
29.5137

■ 10.5186, 4.8671,
25.5845

■ 30.2584, 34.9112,
30.3432

■ 33.6105, 40.6132,
31.2671

■ 37.2729, 46.9040,
32.2884

■ 41.2542, 53.8001,
33.4096

Harmonies

Analogous

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



13.3026, 12.0204, 34.7189



16.1338, 12.0204, 26.6691



17.7935, 12.0204, 16.4649

Triad

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



16.1338, 12.0204, 26.6691



12.5501, 12.0204, 2.8577



6.9247, 12.0204, 18.8881

Complementary

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



16.1338, 12.0204, 26.6691



15.7971, 22.1160, 11.0262

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.



6.7926, 12.0204, 10.2079



16.1338, 12.0204, 26.6691



9.7330, 12.0204, 3.0549

Square

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



16.1338, 12.0204, 26.6691



15.5035, 12.0204, 4.3978



7.7351, 12.0204, 5.1382



8.1330, 12.0204, 29.0735

Rectangle

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



16.1338, 12.0204, 26.6691



17.8525, 12.0204, 10.8239



7.7351, 12.0204, 5.1382



6.7616, 12.0204, 15.6481

Sweetspot

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



16.1342, 12.0209, 26.6694



39.3431, 37.8798, 50.3658



12.3237, 12.0436, 26.8746



8.6043, 8.1648, 11.2019



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.1342, 12.0209, 26.6694



26.3207, 17.7702, 47.1706



17.6691, 12.9268, 21.5632



5.4901, 5.4408, 6.7896



9.6062, 4.4458, 23.3289



0.1126, 0.0532, 0.2240

Inverse Universe

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



15.9649, 12.2451, 12.5890



26.1619, 18.3376, 17.8336



14.8644, 21.5679, 14.0248



5.4634, 5.4459, 5.9380



10.3259, 5.2874, 2.1016



0.1068, 0.0538, 0.0624

Previews

White Background



This preview shows how the XYZ color 16.1338, 12.0204, 26.6691 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 16.1338, 12.0204, 26.6691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

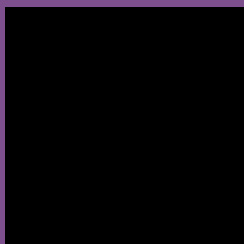
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.1338, 12.0204, 26.6691

Background



This preview shows how black text looks on a background with the XYZ color 16.1338, 12.0204, 26.6691.



This preview shows how white text looks on a background with the XYZ color 16.1338, 12.0204,

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

16.1338, 12.0204, 26.6691

Protanopia

12.9961, 12.2353, 32.2485

Deuteranopia

12.4294, 12.2234, 25.7490



Tritanopia

13.2850, 12.0269, 12.9305

Trichromacy



Original Color

16.1338, 12.0204, 26.6691

Protanomaly

13.6971, 11.8619, 30.0014

Deuteranomaly

13.4383, 11.9429, 26.0230

Tritanomaly

14.1936, 11.9128, 17.1741

Monochromacy



Original Color

16.1338, 12.0204, 26.6691

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.3155, 12.3177, 17.8954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1338, 12.0204, 26.6691 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(125, 80, 141)` looks like.

```
.text, #text, p{  
    color:rgb(125, 80, 141)  
}
```

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(125, 80, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 80, 141) }
```

Border

The CSS property to change the border of an element to XYZ 16.1338, 12.0204, 26.6691 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(125, 80, 141) }
```


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

```
.border{ border-color:rgb(125, 80, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 80, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 80, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 80, 141);  
box-shadow:4px 4px 4px 4px rgb(125, 80,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1338, 12.0204, 26.6691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 80, 141) }
```

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

```
.background{ background-color: rgb(125, 80,  
141) }
```

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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