

Converting Colors

XYZ(12.5746, 6.1404, 16.0593)

Have a look what the booklet for
XYZ(12.5746, 6.1404, 16.0593)
contains.

XYZ(12.6535, 6.1788, 16.1485)	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(12.6535, 6.1788,
16.1485)**

Conversions

Conversions Part 1

Format	Color
Hex	850071
RGB	133, 0, 113
RGB Percent	52%, 0%, 44%
CMY	0.4784, 1.0000, 0.5569
CMYK	0.00, 1.00, 0.15, 0.48
HSL	309°, 100%, 26%
HSV	309°, 100%, 52%
XYZ	12.6535, 6.1788, 16.1485
YIQ	52.6490, 42.9950, 63.3390

Conversions

Conversions Part 2

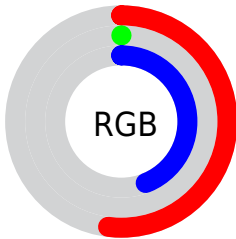
Format	Color
R_{YB}	133, 0, 113
Decimal	8716401
CIE _{Lab}	29.86, 57.64, -26.80
CIE _{LCh}	30, 63.562, 335.064
Yxy	6.1788, 0.3617, 0.1766
Android (android.graphics.Color)	4286906481 (0xFF850071)
YUV	52.6490, 29.7530, 70.4678
Hunter-Lab	24.8572, 47.3650, -21.1178

Details

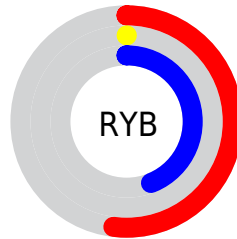
The XYZ color **12.6535, 6.1788, 16.1485** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.5141, 16.8258, 3.4614**, and the grayscale version is **3.3042, 3.4763, 3.7857**.

A 20% lighter version of the original color is **30.3441, 18.2985, 37.5300**, and **4.1786, 2.0439, 5.1753** is the 20% darker color. If you saturate the color by 10%, you get **12.6535, 6.1788, 16.1480**, and if you desaturate by 10%, it is **12.9154, 6.5203, 16.7976**.

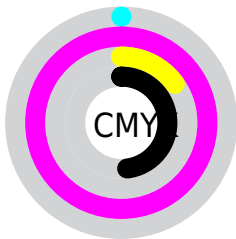
Distribution



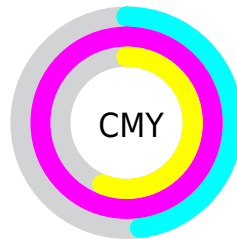
- Red (52%)
- Green (0%)
- Blue (44%)



- Red (52%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (48%)





- Cyan (48%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.6535, 6.1788, 16.1485 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 12.6535, 6.1788, 16.1485 by changing the saturation by 10% instead.


 12.6535, 6.1788,
16.1485


 12.6535, 6.1788,
16.1485


202.3677,
160.6544, 242.0920


 7.2657, 2.9541,
9.4738


 30.2865, 18.3010,
37.6262


 3.6766, 1.1078,
4.9505

 43.2624, 27.9673,
53.2663


 1.5209, 0.0000,
2.1600

 59.4985, 40.5495,
72.7319

 0.3400, 0.0000,
0.6511


 79.3600, 56.4322,
96.4416


 0.0000, 0.0000,
0.0000


 103.2123, 75.9996,
124.8139


 131.4208, 99.6362,


158.2674


 164.3508,
127.7263, 197.2205

 12.6535, 6.1788,
16.1485

 12.6535, 6.1788,
16.1485


 12.6535, 6.1788,
16.1480

 12.9154, 6.5203,
16.7976

 13.2670, 7.0372,
17.4889

 13.7586, 7.8302,
18.2393

 14.4070, 8.9327,
19.0544

 15.2265, 10.3733,
19.9390

■ 16.2297, 12.1772,
20.8976

■ 17.4281, 14.3675,
21.9339

■ 18.8322, 16.9650,
23.0516

■ 20.4518, 19.9893,
24.2539

Harmonies

Analogous

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



9.7657, 6.1788, 30.6631



12.6535, 6.1788, 16.1485



13.5165, 6.1788, 5.3946

Triad

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



12.6535, 6.1788, 16.1485



5.3867, 6.1788, 0.0000



2.3491, 6.1788, 21.0165

Complementary

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



12.6535, 6.1788, 16.1485



8.5141, 16.8258, 3.4614

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.



1.8441, 6.1788, 8.2640



12.6535, 6.1788, 16.1485



3.1823, 6.1788, 0.0000

Square

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



12.6535, 6.1788, 16.1485



8.5997, 6.1788, 0.0000



2.0879, 6.1788, 1.9436



3.7934, 6.1788, 34.7712

Rectangle

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



12.6535, 6.1788, 16.1485



12.6445, 6.1788, 1.9293



2.0879, 6.1788, 1.9436



2.0906, 6.1788, 16.2078

Sweetspot

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



12.6537, 6.1791, 16.1486



31.0500, 25.4349, 39.1460



4.5215, 1.8421, 22.3077



6.8152, 5.4001, 8.6670



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.6537, 6.1791, 16.1486



22.6140, 11.0466, 28.6768



10.1773, 5.1885, 3.1079



4.8286, 4.7511, 5.7097



12.0549, 5.8863, 15.3934



0.0438, 0.0212, 0.0640

Inverse Universe

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



12.6537, 6.1791, 16.1486



22.6140, 11.0466, 28.6768



10.0858, 17.4545, 11.7379



4.8286, 4.7511, 5.7097



12.0549, 5.8863, 15.3934



0.0438, 0.0212, 0.0640

Previews

White Background



This preview shows how the XYZ color 12.6535, 6.1788, 16.1485 looks on a white background.

Color Contrast Check

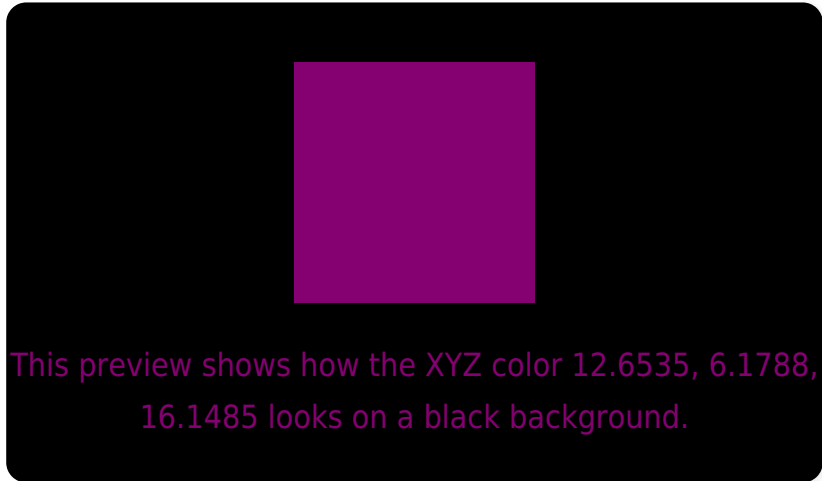
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

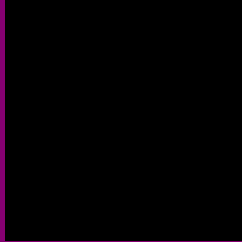
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6535, 6.1788, 16.1485

Background



This preview shows how black text looks on a background with the XYZ color 12.6535, 6.1788, 16.1485.



This preview shows how white text looks on a background with the XYZ color 12.6535, 6.1788,

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

12.6535, 6.1788, 16.1485

Protanopia

7.8392, 6.7408, 30.1661

Deuteranopia

6.9085, 6.7978, 14.5837



Tritanopia

10.1662, 6.5186, 3.4117

Trichromacy



Original Color

12.6535, 6.1788, 16.1485

Protanomaly

6.6727, 4.3113, 24.1474

Deuteranomaly

7.6678, 5.0844, 15.0452

Tritanomaly

10.6058, 5.9526, 6.5512

Monochromacy



Original Color

12.6535, 6.1788, 16.1485

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.3217, 3.4459, 7.0412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6535, 6.1788, 16.1485 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(133, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 113)  
}
```

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(133, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 113) }
```

Border

The CSS property to change the border of an element to XYZ 12.6535, 6.1788, 16.1485 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(133, 0, 113) }
```


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

```
.border{ border-color:rgb(133, 0, 113) }
```

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

Here you see how a box with a 4 pixel rgb(133, 0, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(133, 0,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6535, 6.1788, 16.1485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 0, 113) }
```

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

```
.background{ background-color: rgb(133, 0,  
113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor