

Converting Colors

XYZ(16.5655, 14.1407, 27.7735)

Have a look what the booklet for
XYZ(16.5655, 14.1407, 27.7735)
contains.

XYZ(16.6120, 14.2005, 27.8520)	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(16.6120, 14.2005,
27.8520)**

Conversions

Conversions Part 1

Format	Color
Hex	76608F
RGB	118, 96, 143
RGB Percent	46%, 38%, 56%
CMY	0.5373, 0.6235, 0.4392
CMYK	0.17, 0.33, 0.00, 0.44
HSL	268°, 20%, 47%
HSV	268°, 33%, 56%
XYZ	16.6120, 14.2005, 27.8520
YIQ	107.9360, -1.9750, 19.2810

Conversions

Conversions Part 2

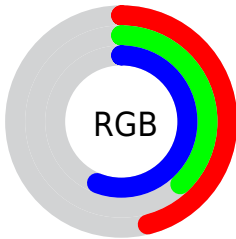
Format	Color
R_{YB}	118, 96, 143
Decimal	7757967
CIE _{Lab}	44.52, 18.69, -22.62
CIE _{LCh}	45, 29.342, 309.579
Yxy	14.2005, 0.2832, 0.2421
Android (android.graphics.Color)	4285948047 (0xFF76608F)
YUV	107.9360, 17.2866, 8.8261
Hunter-Lab	37.6836, 12.7418, -17.4429

Details

The XYZ color **16.6120, 14.2005, 27.8520** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **19.8194, 24.5548, 14.7620**, and the grayscale version is **14.1899, 14.9288, 16.2575**.

A 20% lighter version of the original color is **37.3063, 33.5566, 57.3341**, and **5.4843, 4.2345, 10.6535** is the 20% darker color. If you saturate the color by 10%, you get **14.4325, 11.3134, 27.4098**, and if you desaturate by 10%, it is **19.1131, 17.6064, 28.3778**.

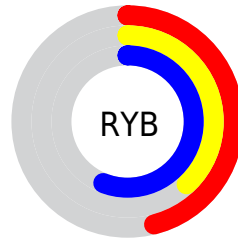
Distribution



Red (46%)

Green (38%)

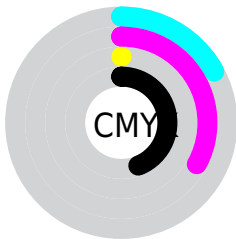
Blue (56%)



Red (46%)

Yellow (38%)

Blue (56%)

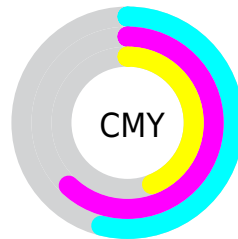


Cyan (17%)

Magenta (33%)

Yellow (0%)

Black (44%)



Cyan (54%)

Magenta (62%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6120, 14.2005, 27.8520 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 16.6120, 14.2005, 27.8520 by changing the saturation by 10% instead.

■ 16.6120, 14.2005,
27.8520

■ 16.6120, 14.2005,
27.8520

226.1265,
218.4746, 305.6487

■ 10.0518, 8.2602,
17.9761

■ 37.2064, 33.4444,
57.2683

■ 5.4959, 4.2619,
10.7635

■ 51.9713, 47.5168,
77.6458

■ 2.5788, 1.8211,
5.7959

■ 70.2019, 65.0687,
102.3608

■ 0.9351, 0.5003,
2.6546

■ 92.2634, 86.4845,
131.8320

■ 0.0000, 0.0000,
0.9204

118.5213,
112.1486, 166.4778

■ 0.0000, 0.0000,
0.0000

149.3409,

142.4454, 206.7168

185.0875,
177.7592, 252.9676

■ 16.6120, 14.2005,
27.8520

■ 16.6120, 14.2005,
27.8520

■ 14.4325, 11.3134,
27.4098

■ 19.1131, 17.6064,
28.3778

■ 12.5584, 8.9166,
27.0460

■ 21.9482, 21.5541,
28.9904

■ 10.9739, 6.9814,
26.7560

■ 25.1306, 26.0674,
29.6938

■ 9.6614, 5.4753,
26.5344

■ 28.6727, 31.1680,
30.4916

■ 8.6007, 4.3615,
26.3753

■ 32.5859, 36.8766,
31.3872

7.7682, 3.5963,
26.2715

36.8814, 43.2128,
32.3839

7.2682, 3.1742,
26.2164

41.5697, 50.1953,
33.4845

46.6609, 57.8420,
34.6921

52.1648, 66.1702,
36.0096

Harmonies

Analogous

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



14.2693, 14.2005, 32.2202



16.6120, 14.2005, 27.8520



18.2312, 14.2005, 20.4744

Triad

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



16.6120, 14.2005, 27.8520



15.1495, 14.2005, 6.1762



9.4858, 14.2005, 17.7357

Complementary

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



16.6120, 14.2005, 27.8520



19.8194, 24.5548, 14.7620

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.



9.6629, 14.2005, 11.3426



16.6120, 14.2005, 27.8520



12.7533, 14.2005, 5.8366

Square

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



16.6120, 14.2005, 27.8520



17.3207, 14.2005, 8.5512



10.7982, 14.2005, 7.4299



10.2823, 14.2005, 25.3508

Rectangle

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



16.6120, 14.2005, 27.8520



18.5831, 14.2005, 15.5580



10.7982, 14.2005, 7.4299



9.4358, 14.2005, 15.3663

Sweetspot

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



16.6125, 14.2011, 27.8523



40.7565, 40.6445, 52.2351



16.6278, 18.1615, 28.6159



9.1871, 9.0960, 11.9437



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.6125, 14.2011, 27.8523



26.9742, 21.7377, 49.3121



20.1995, 16.0503, 28.0202



5.3545, 5.3710, 6.7832



6.4503, 2.8188, 23.1812



0.0867, 0.0399, 0.2228

Inverse Universe

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



18.9622, 15.5865, 20.0989



31.9343, 24.6641, 32.8557



16.9247, 23.0624, 14.6265



5.5212, 5.4690, 6.2427



11.1819, 5.6298, 6.6094



0.1181, 0.0583, 0.1219

Previews

White Background



This preview shows how the XYZ color 16.6120, 14.2005, 27.8520 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 16.6120, 14.2005, 27.8520 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 16.6120, 14.2005, 27.8520

Background



This preview shows how black text looks on a background with the XYZ color 16.6120, 14.2005, 27.8520.



This preview shows how white text looks on a background with the XYZ color 16.6120, 14.2005,

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

16.6120, 14.2005, 27.8520

Protanopia

14.6895, 14.2947, 30.4187

Deuteranopia

14.5819, 14.3105, 27.1930



Tritanopia

14.4307, 14.1612, 17.0117

Trichromacy



Original Color

16.6120, 14.2005, 27.8520

Protanomaly

15.2870, 14.1806, 29.5352

Deuteranomaly

15.2451, 14.2034, 27.5292

Tritanomaly

15.2026, 14.1892, 20.6764

Monochromacy



Original Color

16.6120, 14.2005, 27.8520

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.0836, 14.7258, 20.1365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6120, 14.2005, 27.8520 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(118, 96, 143)` looks like.

```
.text, #text, p{  
    color:rgb(118, 96, 143)  
}
```

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(118, 96, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 96, 143) }
```

Border

The CSS property to change the border of an element to XYZ 16.6120, 14.2005, 27.8520 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(118, 96, 143) }
```


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

```
.border{ border-color:rgb(118, 96, 143) }
```

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

Here you see how a box with a 4 pixel rgb(118, 96, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 96, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 96, 143);  
box-shadow:4px 4px 4px 4px rgb(118, 96,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6120, 14.2005, 27.8520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 96, 143) }
```

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

```
.background{ background-color: rgb(118, 96,  
143) }
```

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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