

Converting Colors

XYZ(16.0441, 10.9387, 21.5826)

Have a look what the booklet for
XYZ(16.0441, 10.9387, 21.5826)
contains.

XYZ(16.0161, 10.9657, 21.6945)	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(16.0161, 10.9657,
21.6945)**

Conversions

Conversions Part 1

Format	Color
Hex	874580
RGB	135, 69, 128
RGB Percent	53%, 27%, 50%
CMY	0.4706, 0.7294, 0.4980
CMYK	0.00, 0.49, 0.05, 0.47
HSL	306°, 32%, 40%
HSV	306°, 49%, 53%
XYZ	16.0161, 10.9657, 21.6945
YIQ	95.4600, 20.3970, 32.3410

Conversions

Conversions Part 2

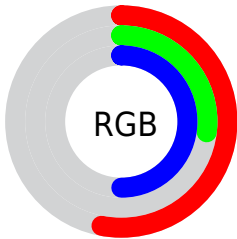
Format	Color
R_{YB}	135, 69, 128
Decimal	8865152
CIE _{Lab}	39.52, 36.85, -21.08
CIE _{LCh}	40, 42.454, 330.221
Yxy	10.9657, 0.3290, 0.2253
Android (android.graphics.Color)	4287055232 (0xFF874580)
YUV	95.4600, 16.0422, 34.6766
Hunter-Lab	33.1145, 28.3826, -15.6629

Details

The XYZ color **16.0161, 10.9657, 21.6945** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **12.4233, 19.1154, 9.8731**, and the grayscale version is **10.9473, 11.5174, 12.5424**.

A 20% lighter version of the original color is **36.2922, 27.7163, 47.1530**, and **5.2114, 2.8693, 7.6763** is the 20% darker color. If you saturate the color by 10%, you get **15.1847, 9.4525, 20.9557**, and if you desaturate by 10%, it is **17.0385, 12.8583, 22.5038**.

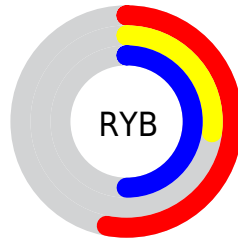
Distribution



Red (53%)

Green (27%)

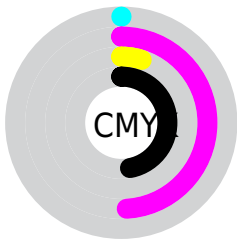
Blue (50%)



Red (53%)

Yellow (27%)

Blue (50%)

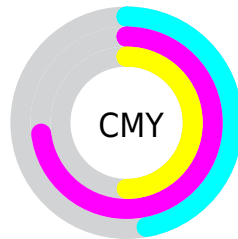


Cyan (0%)

Magenta (49%)

Yellow (5%)

Black (47%)



Cyan (47%)

Magenta (73%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0161, 10.9657, 21.6945 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 16.0161, 10.9657, 21.6945 by changing the saturation by 10% instead.

16.0161, 10.9657,
21.6945

16.0161, 10.9657,
21.6945

222.7052,
197.4321, 273.8480

9.6265, 6.0438,
13.4364

36.1834, 27.5967,
47.1362

5.2124, 2.8717,
7.5955

50.6917, 40.0746,
65.1570

2.4084, 1.0651,
3.7532

68.6370, 55.8399,
87.2691

0.8493, 0.0000,
1.4909

90.3846, 75.2771,
113.8910

0.0000, 0.0000,
0.2112

116.2999, 98.7705,
145.4413

0.0000, 0.0000,
0.0000

146.7482,

126.7046, 182.3385

182.0948,
159.4636, 225.0012

■ 16.0161, 10.9657,
21.6945

■ 16.0161, 10.9657,
21.6945

■ 15.1847, 9.4525,
20.9557

■ 17.0385, 12.8583,
22.5038

■ 14.5303, 8.2913,
20.2823

■ 18.2626, 15.1524,
23.3867

■ 14.0385, 7.4533,
19.6696

■ 19.6995, 17.8702,
24.3473

■ 13.6924, 6.9046,
19.1120

■ 21.3594, 21.0316,
25.3888

■ 13.4495, 6.5602,
18.5953

■ 23.2516, 24.6554,
26.5144

■ 13.4235, 6.5236,
18.5384

■ 25.3850, 28.7595,
27.7270

■ 27.7679, 33.3605,
29.0297

■ 30.4084, 38.4745,
30.4249

■ 33.3141, 44.1166,
31.9152

Harmonies

Analogous

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



13.4712, 10.9657, 31.5980



16.0161, 10.9657, 21.6945



17.0113, 10.9657, 11.8785

Triad

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



16.0161, 10.9657, 21.6945



10.4012, 10.9657, 2.0580



6.3269, 10.9657, 21.8532

Complementary

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



16.0161, 10.9657, 21.6945



12.4233, 19.1154, 9.8731

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.



5.8017, 10.9657, 12.0013



16.0161, 10.9657, 21.6945



7.8726, 10.9657, 2.8016

Square

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



16.0161, 10.9657, 21.6945



13.4272, 10.9657, 2.7784



6.3115, 10.9657, 5.6605



7.9034, 10.9657, 31.7155

Rectangle

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



16.0161, 10.9657, 21.6945



16.5418, 10.9657, 7.2477



6.3115, 10.9657, 5.6605



6.0361, 10.9657, 18.3152

Sweetspot

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



16.0165, 10.9662, 21.6947



36.2865, 33.9190, 44.2461



9.4507, 7.5263, 23.8766



8.2813, 7.6228, 10.1691



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.0165, 10.9662, 21.6947



27.0055, 16.5914, 37.3471



14.2041, 10.2412, 12.1508



4.8372, 4.7546, 5.7549



12.3809, 6.0167, 17.1098



0.0444, 0.0215, 0.0673

Inverse Universe

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



16.0165, 10.9662, 21.6947



27.0055, 16.5914, 37.3471



13.8575, 19.6891, 17.4259



4.8372, 4.7546, 5.7549



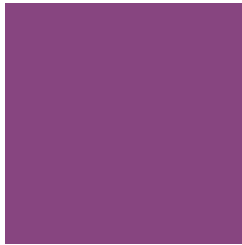
12.3809, 6.0167, 17.1098



0.0444, 0.0215, 0.0673

Previews

White Background



This preview shows how the XYZ color 16.0161, 10.9657, 21.6945 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

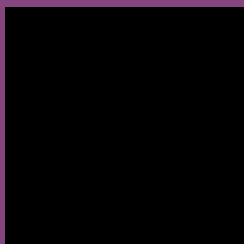
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0161, 10.9657, 21.6945

Background



This preview shows how black text looks on a background with the XYZ color 16.0161, 10.9657, 21.6945.



This preview shows how white text looks on a background with the XYZ color 16.0161, 10.9657,

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

16.0161, 10.9657, 21.6945

Protanopia

11.9176, 11.2167, 29.1407

Deuteranopia

11.3030, 11.0880, 20.6132



Tritanopia

13.6416, 10.9937, 9.9973

Trichromacy



Original Color

16.0161, 10.9657, 21.6945

Protanomaly

12.7278, 10.7209, 26.2095

Deuteranomaly

12.5809, 10.7644, 20.8167

Tritanomaly

14.3808, 10.8773, 13.6535

Monochromacy



Original Color

16.0161, 10.9657, 21.6945

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.4120, 11.0321, 15.3851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0161, 10.9657, 21.6945 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(135, 69, 128)` looks like.

```
.text, #text, p{  
    color:rgb(135, 69, 128)  
}
```

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(135, 69, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 69, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.0161, 10.9657, 21.6945 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(135, 69, 128) }
```


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

```
.border{ border-color:rgb(135, 69, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 69, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 69, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 69, 128); box-shadow:4px 4px 4px 4px rgb(135, 69, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0161, 10.9657, 21.6945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 69, 128) }
```

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

```
.background{ background-color: rgb(135, 69,  
128) }
```

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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