

Converting Colors

XYZ(16.7735, 21.0512, 14.4963)

Have a look what the booklet for
XYZ(16.7735, 21.0512, 14.4963)
contains.

XYZ(16.7462, 21.0391, 14.4876)	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(16.7462, 21.0391,
14.4876)**

Conversions

Conversions Part 1

Format	Color
Hex	6B8661
RGB	107, 134, 97
RGB Percent	42%, 53%, 38%
CMY	0.5804, 0.4745, 0.6196
CMYK	0.20, 0.00, 0.28, 0.47
HSL	104°, 16%, 45%
HSV	104°, 28%, 53%
XYZ	16.7462, 21.0391, 14.4876
YIQ	121.7090, -4.2150, -17.2310

Conversions

Conversions Part 2

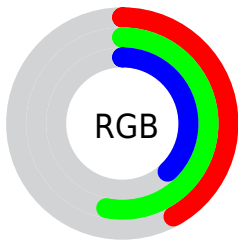
Format	Color
R_{YB}	97, 134, 124
Decimal	7046753
CIE _{Lab}	52.99, -17.08, 16.85
CIE _{LCh}	53, 23.989, 135.385
Yxy	21.0391, 0.3204, 0.4025
Android (android.graphics.Color)	4285236833 (0xFF6B8661)
YUV	121.7090, -12.1815, -12.8998
Hunter-Lab	45.8684, -15.1007, 13.3810

Details

The XYZ color **16.7462, 21.0391, 14.4876** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.8908, 14.5563, 24.4748**, and the grayscale version is **18.4437, 19.4042, 21.1312**.

A 20% lighter version of the original color is **37.4137, 45.0497, 34.7405**, and **5.5497, 7.5007, 4.1729** is the 20% darker color. If you saturate the color by 10%, you get **15.0636, 20.2385, 11.4183**, and if you desaturate by 10%, it is **18.6685, 21.9523, 18.1200**.

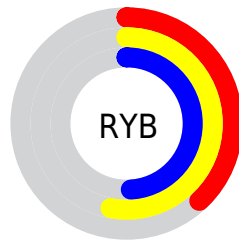
Distribution



Red (42%)

Green (53%)

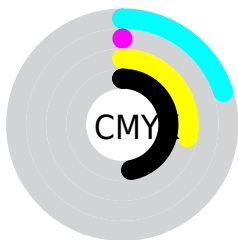
Blue (38%)



Red (38%)

Yellow (53%)

Blue (49%)

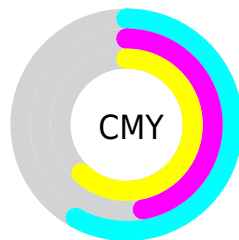


Cyan (20%)

Magenta (0%)

Yellow (28%)

Black (47%)



Cyan (58%)

Magenta (47%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7462, 21.0391, 14.4876 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 16.7462, 21.0391, 14.4876 by changing the saturation by 10% instead.

■ 16.7462, 21.0391,
14.4876

■ 16.7462, 21.0391,
14.4876

226.8904,
257.4862, 231.7764

■ 10.1479, 13.1526,
8.3180

■ 37.4360, 45.1526,
34.6812

■ 5.5601, 7.5337,
4.2084

■ 52.2581, 62.1484,
49.5423

■ 2.6176, 3.7981,
1.7404

■ 70.5523, 82.9494,
68.1376

■ 0.9549, 1.5612,
0.3882

■ 92.6838, 107.9399,
90.8857

■ 0.0000, 0.3313,
0.0000

119.0180,
137.5045, 118.2050

■ 0.0000, 0.0000,
0.0000

149.9203,

172.0275, 150.5143

185.7559,
211.8933, 188.2319

■ 16.7462, 21.0391,
14.4876

■ 16.7462, 21.0391,
14.4876

■ 15.0636, 20.2385,
11.4183

■ 18.6685, 21.9523,
18.1200

■ 13.6093, 19.5434,
8.8826

■ 20.8379, 22.9795,
22.3404

■ 12.3735, 18.9500,
6.8504

■ 23.2637, 24.1256,
27.1736

■ 11.3448, 18.4532,
5.2881

■ 25.9541, 25.3942,
32.6429

■ 10.5109, 18.0475,
4.1578

■ 28.9168, 26.7890,
38.7701

■ 9.8580, 17.7266,
3.4160

■ 32.1594, 28.3134,
45.5760

■ 9.3627, 17.4806,
2.9725

■ 35.6891, 29.9706,
53.0808

■ 9.2605, 17.4300,
2.8762

■ 39.5129, 31.7638,
61.3035

■ 43.6374, 33.6960,
70.2624

Harmonies

Analogous

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



18.7404, 21.0391, 11.9751



16.7462, 21.0391, 14.4876



15.6703, 21.0391, 19.5859

Triad

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



16.7462, 21.0391, 14.4876



18.8007, 21.0391, 39.1064



25.0353, 21.0391, 19.4242

Complementary

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



16.7462, 21.0391, 14.4876



16.8908, 14.5563, 24.4748

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.



25.0548, 21.0391, 26.5860



16.7462, 21.0391, 14.4876



21.3086, 21.0391, 39.0375

Square

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



16.7462, 21.0391, 14.4876



16.7871, 21.0391, 34.2579



23.6435, 21.0391, 34.0859



23.5921, 21.0391, 14.3907

Rectangle

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



16.7462, 21.0391, 14.4876



15.5556, 21.0391, 24.2335



23.6435, 21.0391, 34.0859



25.2123, 21.0391, 21.6317

Sweetspot

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



16.7467, 21.0400, 14.4881



36.4853, 40.3781, 38.9124



19.1373, 20.2268, 14.2051



8.1000, 9.0402, 8.5314



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.



16.7467, 21.0400, 14.4881



27.6429, 36.1826, 22.1043



16.0062, 20.6128, 16.5046



4.7257, 5.2612, 4.9958



8.6873, 16.3384, 2.6958



0.0363, 0.0598, 0.0096

Inverse Universe

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



16.8908, 14.5563, 24.4748



27.9356, 22.8272, 42.6721



17.8718, 15.1242, 21.7113



4.7384, 4.7013, 5.8584



8.7421, 4.0409, 21.4559



0.0373, 0.0176, 0.0747

Previews

White Background



This preview shows how the XYZ color 16.7462, 21.0391, 14.4876 looks on a white 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

Black Background



This preview shows how the XYZ color 16.7462, 21.0391, 14.4876 looks on a black 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

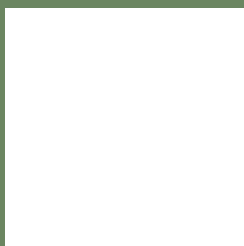
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7462, 21.0391, 14.4876

Background



This preview shows how black text looks on a background with the XYZ color 16.7462, 21.0391, 14.4876.



This preview shows how white text looks on a background with the XYZ color 16.7462, 21.0391,

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

16.7462, 21.0391, 14.4876

Protanopia

19.4283, 20.8629, 13.3589

Deuteranopia

21.1702, 20.7979, 14.9552



Tritanopia

19.4499, 21.1420, 27.4818

Trichromacy



Original Color

16.7462, 21.0391, 14.4876

Protanomaly

18.3281, 20.8686, 13.6517

Deuteranomaly

19.2287, 20.7281, 14.7918

Tritanomaly

18.3099, 21.0673, 22.1701

Monochromacy



Original Color

16.7462, 21.0391, 14.4876

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.7776, 19.8959, 18.5261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7462, 21.0391, 14.4876 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(107, 134, 97)` looks like.

```
.text, #text, p{  
    color:rgb(107, 134, 97)  
}
```

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(107, 134, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 134, 97) }
```

Border

The CSS property to change the border of an element to XYZ 16.7462, 21.0391, 14.4876 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(107, 134, 97) }
```


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

```
.border{ border-color:rgb(107, 134, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 134, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 134, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 134, 97);  
box-shadow:4px 4px 4px 4px rgb(107, 134,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7462, 21.0391, 14.4876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 134, 97) }
```

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

```
.background{ background-color: rgb(107,  
134, 97) }
```

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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