

Converting Colors

XYZ(16.2952, 20.7726, 15.0358)

Have a look what the booklet for
XYZ(16.2952, 20.7726, 15.0358)
contains.

XYZ(16.2567, 20.7758, 14.9577)	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(16.2567, 20.7758,
14.9577)**

Conversions

Conversions Part 1

Format	Color
Hex	668663
RGB	102, 134, 99
RGB Percent	40%, 53%, 39%
CMY	0.6000, 0.4745, 0.6118
CMYK	0.24, 0.00, 0.26, 0.47
HSL	115°, 15%, 46%
HSV	115°, 26%, 53%
XYZ	16.2567, 20.7758, 14.9577
YIQ	120.4420, -7.8370, -17.6690

Conversions

Conversions Part 2

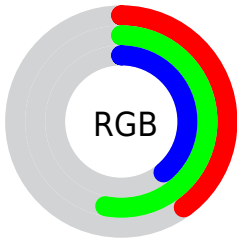
Format	Color
RYB	99, 134, 131
Decimal	6719075
CIELab	52.70, -18.59, 15.26
CIELCh	53, 24.049, 140.622
Yxy	20.7758, 0.3127, 0.3996
Android (android.graphics.Color)	4284909155 (0xFF668663)
YUV	120.4420, -10.5709, -16.1736
Hunter-Lab	45.5805, -16.1022, 12.4497

Details

The XYZ color **16.2567, 20.7758, 14.9577** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.1259, 15.4708, 24.5861**, and the grayscale version is **18.0293, 18.9683, 20.6565**.

A 20% lighter version of the original color is **36.6018, 44.6127, 35.5362**, and **5.3115, 7.3729, 4.3920** is the 20% darker color. If you saturate the color by 10%, you get **14.3812, 19.8775, 11.7988**, and if you desaturate by 10%, it is **18.4449, 21.8242, 18.6871**.

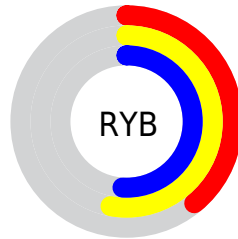
Distribution



Red (40%)

Green (53%)

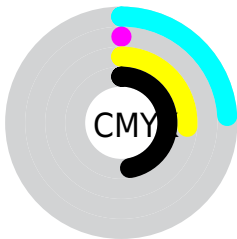
Blue (39%)



Red (39%)

Yellow (53%)

Blue (51%)

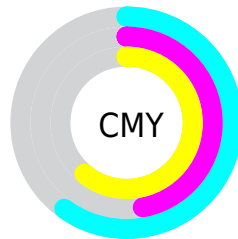


Cyan (24%)

Magenta (0%)

Yellow (26%)

Black (47%)



Cyan (60%)

Magenta (47%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2567, 20.7758, 14.9577 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 16.2567, 20.7758, 14.9577 by changing the saturation by 10% instead.

■ 16.2567, 20.7758,
14.9577

■ 16.2567, 20.7758,
14.9577

224.0925,
256.0846, 234.7420

■ 9.7980, 12.9602,
8.6434

■ 36.5971, 44.7141,
35.5202

■ 5.3265, 7.4012,
4.4157

■ 51.2096, 61.6056,
50.6055

■ 2.4768, 3.7142,
1.8561

■ 69.2706, 82.2912,
69.4516

■ 0.8836, 1.5150,
0.4646

■ 91.1456, 107.1553,
92.4769

■ 0.0000, 0.2993,
0.0000

117.1999,
136.5823, 120.1001

■ 0.0000, 0.0000,
0.0000

147.7990,

170.9566, 152.7396

183.3080,
210.6626, 190.8141

■ 16.2567, 20.7758,
14.9577

■ 16.2567, 20.7758,
14.9577

■ 14.3812, 19.8775,
11.7988

■ 18.4449, 21.8242,
18.6871

■ 12.8025, 19.1200,
9.1810

■ 20.9574, 23.0263,
23.0116

■ 11.5059, 18.4969,
7.0744

■ 23.8074, 24.3890,
27.9564

■ 10.4747, 18.0002,
5.4455

■ 27.0066, 25.9179,
33.5444

■ 9.6903, 17.6214,
4.2570

■ 30.5664, 27.6183,
39.7976

■ 9.1320, 17.3505,
3.4660

■ 34.4975, 29.4954,
46.7368

■ 8.7717, 17.1746,
3.0020

■ 38.8103, 31.5540,
54.3821

■ 8.6700, 17.1255,
2.8486

■ 43.5147, 33.7988,
62.7526

■ 48.6203, 36.2344,
71.8668

Harmonies

Analogous

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



18.1004, 20.7758, 12.0213



16.2567, 20.7758, 14.9577



15.3704, 20.7758, 20.4496

Triad

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



16.2567, 20.7758, 14.9577



18.9732, 20.7758, 39.1196



24.6002, 20.7758, 18.1076

Complementary

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



16.2567, 20.7758, 14.9577



18.1259, 15.4708, 24.5861

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.



24.8837, 20.7758, 24.9416



16.2567, 20.7758, 14.9577



21.4900, 20.7758, 38.1217

Square

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



16.2567, 20.7758, 14.9577



16.8492, 20.7758, 35.0298



23.7037, 20.7758, 32.5367



22.9589, 20.7758, 13.5553

Rectangle

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



16.2567, 20.7758, 14.9577



15.3858, 20.7758, 25.2571



23.7037, 20.7758, 32.5367



24.8626, 20.7758, 20.1756

Sweetspot

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



16.2572, 20.7767, 14.9582



35.9652, 40.1100, 38.8881



20.1338, 22.0688, 15.0032



7.9658, 8.9709, 8.5251



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.



16.2572, 20.7767, 14.9582



26.7378, 35.6922, 23.1369



16.6520, 20.8960, 18.7790



4.6506, 5.2224, 4.9923



8.1292, 16.0507, 2.6696



0.0304, 0.0568, 0.0094

Inverse Universe

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



18.1259, 15.4708, 24.5861



30.5736, 24.7928, 42.9125



17.6842, 15.3486, 19.8005



4.8196, 4.7431, 5.8622



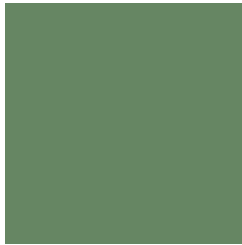
11.6275, 5.5283, 21.5909



0.0432, 0.0206, 0.0749

Previews

White Background



This preview shows how the XYZ color 16.2567, 20.7758, 14.9577 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 16.2567, 20.7758, 14.9577 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 16.2567, 20.7758, 14.9577

Background



This preview shows how black text looks on a background with the XYZ color 16.2567, 20.7758, 14.9577.



This preview shows how white text looks on a background with the XYZ color 16.2567, 20.7758,

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

16.2567, 20.7758, 14.9577

Protanopia

19.2307, 20.5618, 13.7817

Deuteranopia

21.0897, 20.7450, 15.4630



Tritanopia

18.8171, 20.8158, 27.4522

Trichromacy



Original Color

16.2567, 20.7758, 14.9577

Protanomaly

17.8565, 20.4204, 14.0667

Deuteranomaly

19.0157, 20.6071, 15.2873

Tritanomaly

17.6982, 20.7520, 22.1415

Monochromacy



Original Color

16.2567, 20.7758, 14.9577

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.0683, 19.3478, 18.1641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2567, 20.7758, 14.9577 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(102, 134, 99)` looks like.

```
.text, #text, p{  
    color:rgb(102, 134, 99)  
}
```

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(102, 134, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 134, 99) }
```

Border

The CSS property to change the border of an element to XYZ 16.2567, 20.7758, 14.9577 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(102, 134, 99) }
```


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

```
.border{ border-color:rgb(102, 134, 99) }
```

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

Here you see how a box with a 4 pixel rgb(102, 134, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 134, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 134, 99);  
box-shadow:4px 4px 4px 4px rgb(102, 134,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2567, 20.7758, 14.9577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 134, 99) }
```

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

```
.background{ background-color: rgb(102,  
134, 99) }
```

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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