

Converting Colors

XYZ(16.6221, 22.3737, 10.0258)

Have a look what the booklet for
XYZ(16.6221, 22.3737, 10.0258)
contains.

XYZ(16.5919, 22.3283, 10.0919)	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(16.5919, 22.3283,
10.0919)**

Conversions

Conversions Part 1

Format	Color
Hex	6A8C4B
RGB	106, 140, 75
RGB Percent	42%, 55%, 29%
CMY	0.5843, 0.4510, 0.7059
CMYK	0.24, 0.00, 0.46, 0.45
HSL	91°, 30%, 42%
HSV	91°, 46%, 55%
XYZ	16.5919, 22.3283, 10.0919
YIQ	122.4240, 0.6010, -27.4230

Conversions

Conversions Part 2

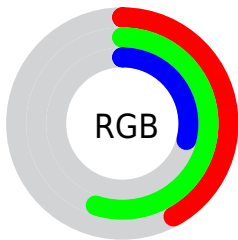
Format	Color
RYB	75, 140, 109
Decimal	6982731
CIELab	54.37, -23.89, 30.82
CIELCh	54, 39.000, 127.783
Yxy	22.3283, 0.3385, 0.4556
Android (android.graphics.Color)	4285172811 (0xFF6A8C4B)
YUV	122.4240, -23.3800, -14.4038
Hunter-Lab	47.2528, -20.0157, 20.4143

Details

The XYZ color **16.5919, 22.3283, 10.0919** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.5573, 10.1775, 26.0620**, and the grayscale version is **18.7119, 19.6864, 21.4385**.

A 20% lighter version of the original color is **37.2915, 47.4352, 26.5925**, and **5.4967, 8.2369, 2.3988** is the 20% darker color. If you saturate the color by 10%, you get **15.3312, 21.7285, 7.8011**, and if you desaturate by 10%, it is **18.0336, 23.0106, 12.9427**.

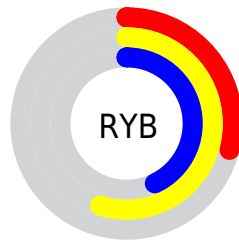
Distribution



Red (42%)

Green (55%)

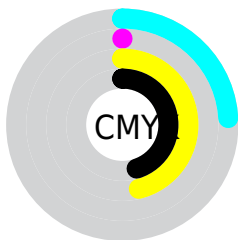
Blue (29%)



Red (29%)

Yellow (55%)

Blue (43%)

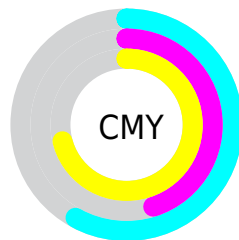


Cyan (24%)

Magenta (0%)

Yellow (46%)

Black (45%)



Cyan (58%)

Magenta (45%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5919, 22.3283, 10.0919 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 16.5919, 22.3283, 10.0919 by changing the saturation by 10% instead.

■ 16.5919, 22.3283,
10.0919

■ 16.5919, 22.3283,
10.0919

226.0119,
264.2560, 201.8353

■ 10.0375, 14.0983,
5.3535

■ 37.1720, 47.2880,
26.5787

■ 5.4863, 8.1891,
2.3938

■ 51.9283, 64.7865,
39.1643

■ 2.5730, 4.2162,
0.7831

■ 70.1493, 86.1434,
55.2026

■ 0.9322, 1.7952,
0.0000

■ 92.2004, 111.7429,
75.1123

■ 0.0000, 0.4842,
0.0000

■ 118.4468,
141.9695, 99.3119

■ 0.0000, 0.0000,
0.0000

149.2539,

177.2077, 128.2199

184.9872,
217.8417, 162.2548

■ 16.5919, 22.3283,
10.0919

■ 16.5919, 22.3283,
10.0919

■ 15.3312, 21.7285,
7.8011

■ 18.0336, 23.0106,
12.9427

■ 14.2409, 21.2044,
6.0317

■ 19.6627, 23.7759,
16.3855

■ 13.3118, 20.7530,
4.7430


■ 21.4873, 24.6285,
20.4517


■ 12.5329, 20.3696,
3.8873


■ 23.5147, 25.5713,
25.1702


■ 11.8873, 20.0472,
3.3866


■ 25.7514, 26.6072,
30.5678

 11.6772, 19.9421,
3.2338

 28.2040, 27.7390,
36.6702

 30.8784, 28.9693,
43.5013

 33.7806, 30.3006,
51.0842

 36.9160, 31.7353,
59.4410

Harmonies

Analogous

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



20.1330, 22.3283, 7.6963



16.5919, 22.3283, 10.0919



14.5106, 22.3283, 16.4812

Triad

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



16.5919, 22.3283, 10.0919



18.2753, 22.3283, 53.1130



30.4097, 22.3283, 21.2732

Complementary

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



16.5919, 22.3283, 10.0919



13.5573, 10.1775, 26.0620

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.



29.7381, 22.3283, 34.2969



16.5919, 22.3283, 10.0919



22.3503, 22.3283, 55.7212

Square

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



16.5919, 22.3283, 10.0919



15.3881, 22.3283, 41.6889



26.6430, 22.3283, 47.9450



28.3715, 22.3283, 12.5915

Rectangle

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



16.5919, 22.3283, 10.0919



14.0487, 22.3283, 23.4161



26.6430, 22.3283, 47.9450



30.4978, 22.3283, 25.2299

Sweetspot

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



16.5924, 22.3293, 10.0924



38.6136, 43.7602, 37.7322



17.5104, 16.9329, 9.0024



8.7448, 10.0123, 8.3446



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.5924, 22.3293, 10.0924



26.8735, 38.2324, 13.4873



13.5878, 20.7760, 10.1470



5.1839, 5.7175, 5.3828



10.3978, 17.7302, 2.8743



0.0858, 0.1264, 0.0199

Inverse Universe

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



13.5573, 10.1775, 26.0620



20.8151, 13.9883, 45.3459



17.9863, 12.4698, 25.8543



5.0079, 5.0125, 6.3094



6.6863, 2.9610, 22.2648



0.0613, 0.0284, 0.1487

Previews

White Background



This preview shows how the XYZ color 16.5919, 22.3283, 10.0919 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 16.5919, 22.3283, 10.0919 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 16.5919, 22.3283, 10.0919

Background



This preview shows how black text looks on a background with the XYZ color 16.5919, 22.3283, 10.0919.



This preview shows how white text looks on a background with the XYZ color 16.5919, 22.3283,

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

16.5919, 22.3283, 10.0919

Protanopia

20.4477, 22.2598, 9.1801

Deuteranopia

22.5236, 22.1479, 10.4850



Tritanopia

20.4116, 22.1987, 29.1956

Trichromacy



Original Color

16.5919, 22.3283, 10.0919

Protanomaly

18.9007, 22.2639, 9.4321

Deuteranomaly

19.8390, 21.9186, 10.3928

Tritanomaly

18.6161, 22.0807, 20.4204

Monochromacy



Original Color

16.5919, 22.3283, 10.0919

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.6025, 20.4334, 16.3809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5919, 22.3283, 10.0919 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(106, 140, 75)` looks like.

```
.text, #text, p{  
    color:rgb(106, 140, 75)  
}
```

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(106, 140, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 140, 75) }
```

Border

The CSS property to change the border of an element to XYZ 16.5919, 22.3283, 10.0919 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(106, 140, 75) }
```


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

```
.border{ border-color:rgb(106, 140, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 140, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 140, 75); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 140, 75); box-shadow:4px 4px 4px 4px rgb(106, 140, 75) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5919, 22.3283, 10.0919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 140, 75) }
```

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

```
.background{ background-color: rgb(106,  
140, 75) }
```

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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