

Converting Colors

XYZ(16.6324, 22.2778, 8.3497)

Have a look what the booklet for
XYZ(16.6324, 22.2778, 8.3497)
contains.

XYZ(16.6172, 22.1619, 8.4029)	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(16.6172, 22.1619,
8.4029)**

Conversions

Conversions Part 1

Format	Color
Hex	6E8B41
RGB	110, 139, 65
RGB Percent	43%, 55%, 25%
CMY	0.5686, 0.4549, 0.7451
CMYK	0.21, 0.00, 0.53, 0.45
HSL	84°, 36%, 40%
HSV	84°, 53%, 55%
XYZ	16.6172, 22.1619, 8.4029
YIQ	121.8930, 6.4700, -29.1620

Conversions

Conversions Part 2

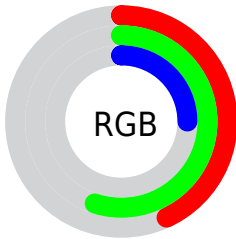
Format	Color
RYB	65, 139, 94
Decimal	7244609
CIELab	54.20, -23.00, 35.88
CIELCh	54, 42.618, 122.656
Yxy	22.1619, 0.3522, 0.4697
Android (android.graphics.Color)	4285434689 (0xFF6E8B41)
YUV	121.8930, -28.0482, -10.4302
Hunter-Lab	47.0764, -19.3762, 22.3705

Details

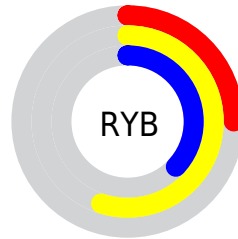
The XYZ color **16.6172, 22.1619, 8.4029** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.1675, 8.0250, 25.3877**, and the grayscale version is **18.5514, 19.5175, 21.2546**.

A 20% lighter version of the original color is **37.2687, 47.1643, 23.3590**, and **5.5294, 8.1428, 1.7705** is the 20% darker color. If you saturate the color by 10%, you get **15.6061, 21.6823, 6.5063**, and if you desaturate by 10%, it is **17.7701, 22.7046, 10.8244**.

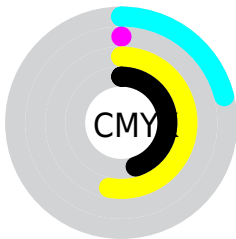
Distribution



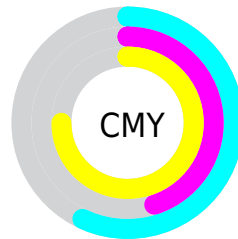
- Red (43%)
- Green (55%)
- Blue (25%)



- Red (25%)
- Yellow (55%)
- Blue (37%)



- Cyan (21%)
- Magenta (0%)
- Yellow (53%)
- Black (45%)



- Cyan (57%)
- Magenta (45%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6172, 22.1619, 8.4029 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 16.6172, 22.1619, 8.4029 by changing the saturation by 10% instead.

■ 16.6172, 22.1619,
8.4029

■ 16.6172, 22.1619,
8.4029

226.1562,
263.3906, 188.9099

■ 10.0555, 13.9759,
4.2624

■ 37.2153, 47.0134,
23.3037

■ 5.4984, 8.1039,
1.7704

■ 51.9824, 64.4478,
34.9010

■ 2.5803, 4.1615,
0.4083

■ 70.2155, 85.7337,
49.8210

■ 0.9359, 1.7643,
0.0000

■ 92.2797, 111.2556,
68.4822

■ 0.0000, 0.4648,
0.0000

■ 118.5406,
141.3978, 91.3031

■ 0.0000, 0.0000,
0.0000

149.3633,

176.5448, 118.7024

185.1134,
217.0809, 151.0984

■ 16.6172, 22.1619,
8.4029

■ 16.6172, 22.1619,
8.4029

■ 15.6061, 21.6823,
6.5063

■ 17.7701, 22.7046,
10.8244

■ 14.7272, 21.2596,
5.0942

■ 19.0708, 23.3105,
13.8044

■ 13.9717, 20.8908,
4.1225

■ 20.5263, 23.9833,
17.3756

■ 13.3289, 20.5717,
3.5382

■ 22.1432, 24.7257,
21.5674

■ 12.9364, 20.3753,
3.2510

■ 23.9273, 25.5402,
26.4076

■ 25.8841, 26.4289,
31.9220

■ 28.0191, 27.3942,
38.1353

■ 30.3371, 28.4381,
45.0708

■ 32.8432, 29.5626,
52.7506

Harmonies

Analogous

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



20.6544, 22.1619, 6.5736



16.6172, 22.1619, 8.4029



14.1059, 22.1619, 14.2135

Triad

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



16.6172, 22.1619, 8.4029



17.2347, 22.1619, 54.5939



31.2650, 22.1619, 22.9684

Complementary

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



16.6172, 22.1619, 8.4029



11.1675, 8.0250, 25.3877

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.



30.0008, 22.1619, 37.8351



16.6172, 22.1619, 8.4029



21.4794, 22.1619, 59.6010

Square

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



16.6172, 22.1619, 8.4029



14.4240, 22.1619, 40.6644



26.2413, 22.1619, 52.5832



29.4817, 22.1619, 12.8237

Rectangle

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



16.6172, 22.1619, 8.4029



13.4123, 22.1619, 21.0167



26.2413, 22.1619, 52.5832



31.1825, 22.1619, 27.5377

Sweetspot

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



16.6177, 22.1629, 8.4034



38.7203, 43.8501, 36.1641



15.5490, 13.7646, 6.8387



8.8010, 10.0485, 8.0177



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.



16.6177, 22.1629, 8.4034



27.5878, 38.6557, 11.0354



12.9834, 20.2893, 8.2333



5.2444, 5.7488, 5.3856



11.6946, 18.3988, 2.9350



0.0942, 0.1307, 0.0203

Inverse Universe

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



11.1675, 8.0250, 25.3877



16.7504, 10.4924, 44.8854



15.8136, 10.4201, 25.6052



4.9480, 4.9816, 6.3066



5.6206, 2.4117, 22.2149



0.0530, 0.0241, 0.1483

Previews

White Background



This preview shows how the XYZ color 16.6172, 22.1619, 8.4029 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 16.6172, 22.1619, 8.4029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

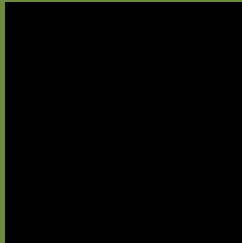
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6172, 22.1619, 8.4029

Background



This preview shows how black text looks on a background with the XYZ color 16.6172, 22.1619, 8.4029.



This preview shows how white text looks on a background with the XYZ color 16.6172, 22.1619,

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

16.6172, 22.1619, 8.4029

Protanopia

20.0475, 21.8880, 7.7256

Deuteranopia

22.2577, 21.8647, 8.6774



Tritanopia

20.6697, 22.1488, 28.3850

Trichromacy



Original Color

16.6172, 22.1619, 8.4029

Protanomaly

18.6448, 21.9592, 7.9585

Deuteranomaly

19.8782, 21.7806, 8.6252

Tritanomaly

18.7082, 21.9555, 18.8746

Monochromacy



Original Color

16.6172, 22.1619, 8.4029

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.5393, 20.2295, 15.2922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6172, 22.1619, 8.4029 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(110, 139, 65)` looks like.

```
.text, #text, p{  
    color:rgb(110, 139, 65)  
}
```

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(110, 139, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 139, 65) }
```

Border

The CSS property to change the border of an element to XYZ 16.6172, 22.1619, 8.4029 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(110, 139, 65) }
```


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

```
.border{ border-color:rgb(110, 139, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 139, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 139, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 139, 65);  
box-shadow:4px 4px 4px 4px rgb(110, 139,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6172, 22.1619, 8.4029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 139, 65) }
```

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

```
.background{ background-color: rgb(110,  
139, 65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor