

Converting Colors

XYZ(20.5130, 27.4844, 4.2240)

Have a look what the booklet for
XYZ(20.5130, 27.4844, 4.2240)
contains.

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Color

**XYZ(20.4445, 27.4496,
4.2208)**

Conversions

Conversions Part 1

Format	Color
Hex	819900
RGB	129, 153, 0
RGB Percent	51%, 60%, 0%
CMY	0.4941, 0.4000, 0.9999
CMYK	0.16, 0.00, 1.00, 0.40
HSL	69°, 100%, 30%
HSV	69°, 100%, 60%
XYZ	20.4445, 27.4496, 4.2208
YIQ	128.3820, 34.8090, -52.6710

Conversions

Conversions Part 2

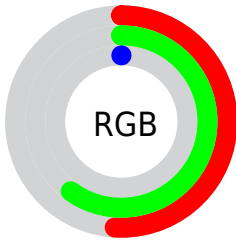
Format	Color
RYB	0, 153, 24
Decimal	8493312
CIELab	59.39, -25.37, 62.29
CIElCh	59, 67.259, 112.157
Yxy	27.4496, 0.3923, 0.5267
Android (android.graphics.Color)	4286683392 (0xFF819900)
YUV	128.3820, -63.2923, 0.5420
Hunter-Lab	52.3924, -22.0325, 31.8982

Details

The XYZ color **20.4445, 27.4496, 4.2208** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.1274, 2.4948, 30.2973**, and the grayscale version is **20.8567, 21.9429, 23.8958**.

A 20% lighter version of the original color is **43.4901, 55.4078, 14.5335**, and **7.6530, 10.9986, 1.7196** is the 20% darker color. If you saturate the color by 10%, you get **20.4447, 27.4506, 4.2210**, and if you desaturate by 10%, it is **20.9025, 27.6764, 4.7042**.

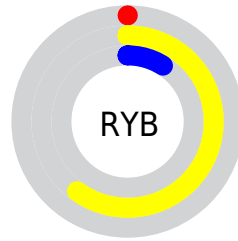
Distribution



Red (51%)

Green (60%)

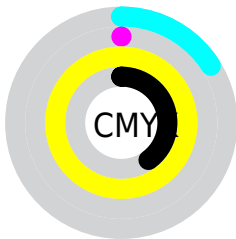
Blue (0%)



Red (0%)

Yellow (60%)

Blue (9%)

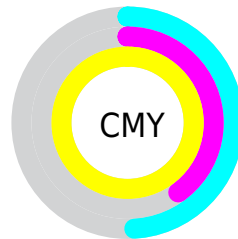


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (49%)


Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4445, 27.4496, 4.2208 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 20.4445, 27.4496, 4.2208 by changing the saturation by 10% instead.


 20.4445, 27.4496,
4.2208


 20.4445, 27.4496,
4.2208


247.0994,
289.8275, 150.6488


 12.8287, 17.9112,
1.7472


 43.6595, 55.6045,
14.5159

 7.3869, 10.8862,
0.3928


 59.9893, 74.9897,
23.1745


 3.7537, 5.9904,
0.0000

 79.9546, 98.4261,
34.7318

 1.5637, 2.8392,
0.0000

 103.9206,
126.2978, 49.6065

 0.3686, 1.0484,
0.0000

 132.2527,
158.9895, 68.2169

 0.0000, 0.0000,
0.0000

 165.3163,

196.8854, 90.9818

203.4768,
240.3699, 118.3196

20.4445, 27.4496,
4.2208

20.4445, 27.4496,
4.2208

20.4447, 27.4506,
4.2210

20.9025, 27.6764,
4.7042

21.4339, 27.9326,
5.5317

22.0694, 28.2314,
6.8620

22.8211, 28.5778,
8.7586

23.6994, 28.9757,
11.2757

■ 24.7133, 29.4289,
14.4610

■ 25.8711, 29.9408,
18.3577

■ 27.1804, 30.5142,
23.0054

■ 28.6483, 31.1522,
28.4407

Harmonies

Analogous

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



28.3637, 27.4496, 3.4602



20.4445, 27.4496, 4.2208



15.2736, 27.4496, 9.5035

Triad

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



20.4445, 27.4496, 4.2208



17.3597, 27.4496, 83.5397



45.6549, 27.4496, 36.6766

Complementary

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



20.4445, 27.4496, 4.2208



6.1274, 2.4948, 30.2973

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.



41.0887, 27.4496, 68.3451



20.4445, 27.4496, 4.2208



23.9412, 27.4496, 103.4391

Square

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



20.4445, 27.4496, 4.2208



13.7783, 27.4496, 51.0240



32.6895, 27.4496, 96.7424



44.1543, 27.4496, 15.5820

Rectangle

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



20.4445, 27.4496, 4.2208



13.5075, 27.4496, 17.8065



32.6895, 27.4496, 96.7424



44.7494, 27.4496, 46.4774

Sweetspot

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



20.4451, 27.4508, 4.2214



46.1974, 53.5594, 32.4174



13.4433, 7.3840, 0.7171



10.0190, 11.7462, 6.5373



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.4451, 27.4508, 4.2214



36.4834, 49.0919, 7.5528



12.8898, 23.5559, 3.8678



6.6137, 7.1738, 6.6420



16.9191, 22.6980, 3.4894



0.2755, 0.3509, 0.0532

Inverse Universe

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



6.1274, 2.4948, 30.2973



10.8685, 4.4134, 54.2510



10.9460, 4.9788, 30.5228



5.9703, 6.0706, 7.7860



5.0831, 2.0715, 25.0396



0.0961, 0.0413, 0.3753

Previews

White Background



This preview shows how the XYZ color 20.4445, 27.4496, 4.2208 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 20.4445, 27.4496, 4.2208 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 20.4445, 27.4496, 4.2208

Background



This preview shows how black text looks on a background with the XYZ color 20.4445, 27.4496, 4.2208.



This preview shows how white text looks on a background with the XYZ color 20.4445, 27.4496,

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

20.4445, 27.4496, 4.2208

Protanopia

24.5204, 27.2220, 3.9620

Deuteranopia

27.6842, 27.1104, 4.8106



Tritanopia

26.4073, 27.3086, 34.0163

Trichromacy



Original Color

20.4445, 27.4496, 4.2208

Protanomaly

22.8281, 27.2570, 4.0580

Deuteranomaly

24.4721, 26.9635, 4.4450

Tritanomaly

22.7531, 26.7392, 15.2712

Monochromacy



Original Color

20.4445, 27.4496, 4.2208

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.3330, 23.0746, 11.2195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4445, 27.4496, 4.2208 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(129, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 153, 0)  
}
```

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(129, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.4445, 27.4496, 4.2208 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(129, 153, 0) }
```


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

```
.border{ border-color:rgb(129, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 153,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4445, 27.4496, 4.2208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 153, 0) }
```

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

```
.background{ background-color: rgb(129,  
153, 0) }
```

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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