

Converting Colors

XYZ(20.7330, 27.4838, 16.0902)

Have a look what the booklet for
XYZ(20.7330, 27.4838, 16.0902)
contains.

XYZ(20.7472, 27.5895, 16.0362)	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(20.7472, 27.5895,
16.0362)**

Conversions

Conversions Part 1

Format	Color
Hex	729A63
RGB	114, 154, 99
RGB Percent	45%, 60%, 39%
CMY	0.5529, 0.3961, 0.6118
CMYK	0.26, 0.00, 0.36, 0.40
HSL	104°, 22%, 50%
HSV	104°, 36%, 60%
XYZ	20.7472, 27.5895, 16.0362
YIQ	135.7700, -6.1850, -25.5850

Conversions

Conversions Part 2

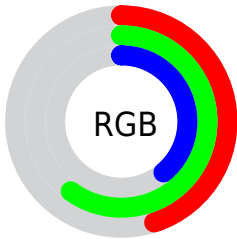
Format	Color
R_{YB}	99, 154, 139
Decimal	7510627
CIE _{Lab}	59.52, -24.45, 24.58
CIE _{LCh}	60, 34.668, 134.843
Yxy	27.5895, 0.3223, 0.4286
Android (android.graphics.Color)	4285700707 (0xFF729A63)
YUV	135.7700, -18.1276, -19.0923
Hunter-Lab	52.5257, -21.4140, 18.6666

Details

The XYZ color **20.7472, 27.5895, 16.0362** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.9432, 16.7466, 32.7019**, and the grayscale version is **23.3836, 24.6014, 26.7909**.

A 20% lighter version of the original color is **44.2418, 56.0184, 37.3350**, and **7.5621, 11.0295, 4.8623** is the 20% darker color. If you saturate the color by 10%, you get **18.7114, 26.6180, 12.4575**, and if you desaturate by 10%, it is **23.1032, 28.7116, 20.3640**.

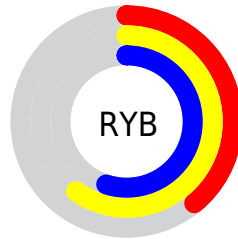
Distribution



Red (45%)

Green (60%)

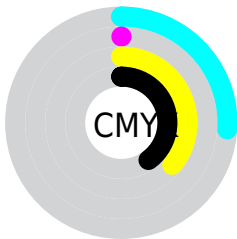
Blue (39%)



Red (39%)

Yellow (60%)

Blue (55%)

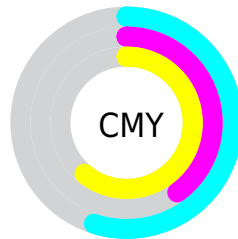


Cyan (26%)

Magenta (0%)

Yellow (36%)

Black (40%)



Cyan (55%)


Magenta (40%)


Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7472, 27.5895, 16.0362 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 20.7472, 27.5895, 16.0362 by changing the saturation by 10% instead.


 20.7472, 27.5895,
16.0362


 20.7472, 27.5895,
16.0362


248.6892,
290.5002, 241.4082


 13.0507, 18.0164,
9.3951


 44.1609, 55.8284,
37.4287

 7.5407, 10.9618,
4.8995


 60.6088, 75.2630,
53.0172

 3.8518, 6.0412,
2.1307

 80.7046, 98.7536,
72.4253

 1.6187, 2.8701,
0.6340

 104.8136,
126.6846, 96.0715

 0.4045, 1.0643,
0.0000

133.3013,
159.4403, 124.3744

 0.0000, 0.0000,
0.0000

166.5328,

197.4053, 157.7524

204.8737,
240.9637, 196.6242

■ 20.7472, 27.5895,
16.0362

■ 20.7472, 27.5895,
16.0362

■ 18.7114, 26.6180,
12.4575

■ 23.1032, 28.7116,
20.3640

■ 16.9794, 25.7869,
9.5835

■ 25.7909, 29.9867,
25.4783

■ 15.5362, 25.0904,
7.3683


■ 28.8236, 31.4219,
31.4159


■ 14.3647, 24.5209,
5.7593


■ 32.2133, 33.0224,
38.2111


■ 13.4458, 24.0697,
4.6963


■ 35.9714, 34.7936,
45.8960


 12.7553, 23.7263,
4.0969

 40.1087, 36.7403,
54.5011

 12.5109, 23.6045,
3.8967

 44.6357, 38.8672,
64.0556

 49.5624, 41.1790,
74.5871

 54.8984, 43.6800,
86.1225

Harmonies

Analogous

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



24.1346, 27.5895, 12.3028



20.7472, 27.5895, 16.0362



18.9386, 27.5895, 24.1930

Triad

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



20.7472, 27.5895, 16.0362



24.0928, 27.5895, 59.6641



35.1845, 27.5895, 24.3028

Complementary

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



20.7472, 27.5895, 16.0362



20.9432, 16.7466, 32.7019

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.



35.1701, 27.5895, 36.7611



20.7472, 27.5895, 16.0362



28.4285, 27.5895, 59.7177

Square

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



20.7472, 27.5895, 16.0362



20.7195, 27.5895, 50.3376



32.5863, 27.5895, 50.4686



32.6237, 27.5895, 16.0973

Rectangle

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



20.7472, 27.5895, 16.0362



18.7289, 27.5895, 32.1122



32.5863, 27.5895, 50.4686



35.4892, 27.5895, 28.0594

Sweetspot

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



20.7479, 27.5907, 16.0368



49.2459, 55.6057, 50.9395



24.7281, 26.0689, 15.5333



10.9929, 12.5133, 11.2300



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.7479, 27.5907, 16.0368



34.6319, 48.6589, 23.7342



19.5667, 26.9110, 19.1785



6.2824, 7.0030, 6.6264



10.2231, 19.2461, 3.1761



0.1843, 0.3039, 0.0490

Inverse Universe

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



20.9432, 16.7466, 32.7019



35.0272, 25.9048, 58.6903



22.6781, 17.7500, 27.8560



6.2969, 6.2389, 7.8013



10.2320, 4.7258, 25.2806



0.1871, 0.0883, 0.3795

Previews

White Background



This preview shows how the XYZ color 20.7472, 27.5895, 16.0362 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 20.7472, 27.5895, 16.0362 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 20.7472, 27.5895, 16.0362

Background



This preview shows how black text looks on a background with the XYZ color 20.7472, 27.5895, 16.0362.



This preview shows how white text looks on a background with the XYZ color 20.7472, 27.5895,

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

20.7472, 27.5895, 16.0362

Protanopia

25.3604, 27.4216, 14.5459

Deuteranopia

27.7560, 27.3056, 16.6396



Tritanopia

24.9175, 27.6211, 36.3659

Trichromacy



Original Color

20.7472, 27.5895, 16.0362

Protanomaly

23.3603, 27.2874, 15.1021

Deuteranomaly

24.6152, 26.9938, 16.4833

Tritanomaly

23.1674, 27.6119, 27.7755

Monochromacy



Original Color

20.7472, 27.5895, 16.0362

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.2997, 25.6642, 22.5173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7472, 27.5895, 16.0362 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(114, 154, 99)` looks like.

```
.text, #text, p{  
    color:rgb(114, 154, 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(114, 154, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 154, 99) }
```

Border

The CSS property to change the border of an element to XYZ 20.7472, 27.5895, 16.0362 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(114, 154, 99) }
```


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

```
.border{ border-color:rgb(114, 154, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 154, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 154, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 154, 99);  
box-shadow:4px 4px 4px 4px rgb(114, 154,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7472, 27.5895, 16.0362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 154, 99) }
```

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

```
.background{ background-color: rgb(114,  
154, 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](#).

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