

Converting Colors

XYZ(27.6129, 20.7090, 6.8977)

Have a look what the booklet for
XYZ(27.6129, 20.7090, 6.8977)
contains.

XYZ(27.5523, 20.7299, 6.9640)	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(27.5523, 20.7299,
6.9640)**

Conversions

Conversions Part 1

Format	Color
Hex	C2633D
RGB	194, 99, 61
RGB Percent	76%, 39%, 24%
CMY	0.2392, 0.6117, 0.7608
CMYK	0.00, 0.49, 0.69, 0.24
HSL	17°, 52%, 50%
HSV	17°, 69%, 76%
XYZ	27.5523, 20.7299, 6.9640
YIQ	123.0730, 68.8180, 8.3220

Conversions

Conversions Part 2

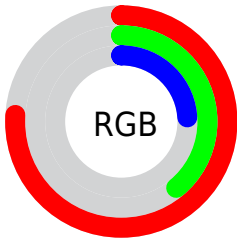
Format	Color
RYB	194, 114, 61
Decimal	12739389
CIELab	52.65, 34.99, 38.38
CIELCh	53, 51.941, 47.645
Yxy	20.7299, 0.4987, 0.3752
Android (android.graphics.Color)	4290929469 (0xFFC2633D)
YUV	123.0730, -30.6020, 62.2030
Hunter-Lab	45.5301, 28.3407, 22.8024

Details

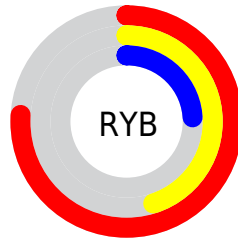
The XYZ color **27.5523, 20.7299, 6.9640** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **23.5498, 28.6625, 55.3299**, and the grayscale version is **18.9333, 19.9193, 21.6922**.

A 20% lighter version of the original color is **55.1211, 44.5190, 20.4397**, and **11.1762, 7.3820, 1.2878** is the 20% darker color. If you saturate the color by 10%, you get **25.9191, 18.1542, 4.2913**, and if you desaturate by 10%, it is **29.6007, 23.8340, 10.7077**.

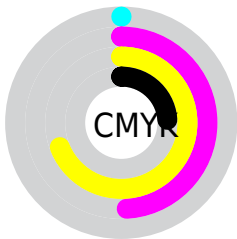
Distribution



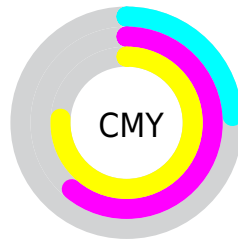
- Red (76%)
- Green (39%)
- Blue (24%)



- Red (76%)
- Yellow (45%)
- Blue (24%)



- Cyan (0%)
- Magenta (49%)
- Yellow (69%)
- Black (24%)





- Cyan (24%)
- Magenta (61%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5523, 20.7299, 6.9640 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 27.5523, 20.7299, 6.9640 by changing the saturation by 10% instead.


 27.5523, 20.7299,
6.9640


 27.5523, 20.7299,
6.9640


282.4404,
255.8396, 176.9838


 18.1272, 12.9267,
3.3615


 55.1825, 44.6376,
20.4124

 11.1416, 7.3781,
1.2820


 74.1183, 61.5109,
31.0953

 6.2301, 3.6997,
0.0470


 96.9551, 82.1763,
44.9755

 3.0275, 1.5070,
0.0000

 124.0581,
107.0183, 62.4715

 1.1683, 0.2937,
0.0000

 155.7929,
136.4212, 84.0018

 0.0811, 0.0000,
0.0000

 192.5246,

 0.0000, 0.0000,

170.7695, 109.9849

0.0000

234.6186,
210.4474, 140.8394

■ 27.5523, 20.7299,
6.9640

■ 27.5523, 20.7299,
6.9640

■ 25.9191, 18.1542,
4.2913

■ 29.6007, 23.8340,
10.7077

■ 24.6667, 16.0718,
2.5714

■ 32.0918, 27.4917,
15.6212

■ 23.7482, 14.4450,
1.6170

■ 35.0523, 31.7307,
21.7934

■ 23.6350, 14.2432,
1.5035

■ 38.5061, 36.5756,
29.3039

■ 42.4755, 42.0496,
38.2260

■ 46.9814, 48.1746,
48.6274

■ 52.0434, 54.9715,
60.5715

■ 57.6800, 62.4602,
74.1181

■ 63.9091, 70.6596,
89.3236

Harmonies

Analogous

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



31.3362, 20.7299, 14.7093



27.5523, 20.7299, 6.9640



22.0075, 20.7299, 4.2098

Triad

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



27.5523, 20.7299, 6.9640



11.2066, 20.7299, 16.7919



23.0184, 20.7299, 64.3785

Complementary

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



27.5523, 20.7299, 6.9640



23.5498, 28.6625, 55.3299

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.



17.5656, 20.7299, 65.8169



27.5523, 20.7299, 6.9640



11.3776, 20.7299, 32.8296

Square

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



27.5523, 20.7299, 6.9640



12.9875, 20.7299, 7.8876



13.5072, 20.7299, 52.4199



28.4079, 20.7299, 49.0916

Rectangle

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



27.5523, 20.7299, 6.9640



18.3548, 20.7299, 4.0729



13.5072, 20.7299, 52.4199



21.1160, 20.7299, 66.6860

Sweetspot

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



27.5528, 20.7310, 6.9644



74.8623, 73.3129, 64.5035



29.9445, 17.2180, 33.3385



15.9456, 15.4371, 13.1153



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.5528, 20.7310, 6.9644



45.8006, 30.9931, 6.0957



36.5786, 38.7827, 9.9730



10.3024, 10.5362, 10.5526



15.6008, 9.4874, 1.0090



0.7348, 0.5314, 0.0639

Inverse Universe

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



23.5498, 28.6625, 55.3299



37.8795, 45.8961, 99.3322



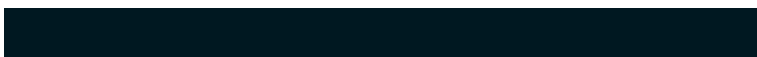
15.3029, 12.1688, 52.5810



10.1175, 10.9263, 12.8606



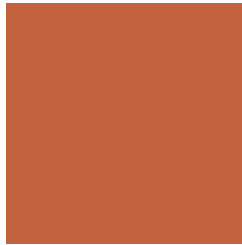
12.5038, 14.7640, 35.7473



0.5966, 0.7507, 1.5633

Previews

White Background



This preview shows how the XYZ color 27.5523, 20.7299, 6.9640 looks on a white background.

Color Contrast Check

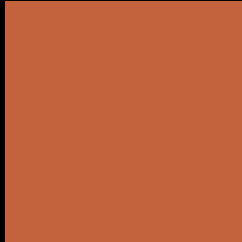
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5523, 20.7299, 6.9640 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 27.5523, 20.7299, 6.9640

Background



This preview shows how black text looks on a background with the XYZ color 27.5523, 20.7299, 6.9640.



This preview shows how white text looks on a background with the XYZ color 27.5523, 20.7299,

6.9640.

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

27.5523, 20.7299, 6.9640

Protanopia

19.2138, 20.8529, 8.8067

Deuteranopia

21.1406, 20.7864, 6.6393



Tritanopia

29.1166, 20.6808, 14.7691

Trichromacy



Original Color

27.5523, 20.7299, 6.9640

Protanomaly

21.5566, 20.2670, 8.0859

Deuteranomaly

23.1355, 20.4399, 6.7289

Tritanomaly

28.3683, 20.6397, 11.2928

Monochromacy



Original Color

27.5523, 20.7299, 6.9640

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.7120, 19.3443, 14.6988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5523, 20.7299, 6.9640 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(194, 99, 61)` looks like.

```
.text, #text, p{  
    color:rgb(194, 99, 61)  
}
```

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(194, 99, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 99, 61) }
```

Border

The CSS property to change the border of an element to XYZ 27.5523, 20.7299, 6.9640 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(194, 99, 61) }
```


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

```
.border{ border-color:rgb(194, 99, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 99, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 99, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 99, 61);  
box-shadow:4px 4px 4px 4px rgb(194, 99,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5523, 20.7299, 6.9640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 99, 61) }
```

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

```
.background{ background-color: rgb(194, 99,  
61) }
```

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