

Converting Colors

XYZ(27.9295, 20.6738, 3.2426)

Have a look what the booklet for
XYZ(27.9295, 20.6738, 3.2426)
contains.

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Color

**XYZ(27.9632, 20.7456,
3.2400)**

Conversions

Conversions Part 1

Format	Color
Hex	C76115
RGB	199, 97, 21
RGB Percent	78%, 38%, 8%
CMY	0.2196, 0.6196, 0.9176
CMYK	0.00, 0.51, 0.89, 0.22
HSL	26°, 81%, 43%
HSV	26°, 89%, 78%
XYZ	27.9632, 20.7456, 3.2400
YIQ	118.8340, 85.1880, -2.0120

Conversions

Conversions Part 2

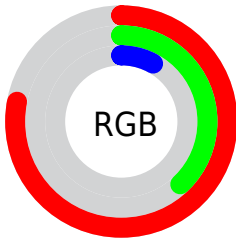
Format	Color
R_{YB}	199, 154, 21
Decimal	13066517
CIE Lab	52.67, 36.56, 56.42
CIE LCh	53, 67.228, 57.060
Yxy	20.7456, 0.5383, 0.3993
Android (android.graphics.Color)	4291256597 (0xFFC76115)
YUV	118.8340, -48.2322, 70.3056
Hunter-Lab	45.5473, 29.8799, 27.6656

Details

The XYZ color **27.9632, 20.7456, 3.2400** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **17.7007, 18.4482, 56.6602**, and the grayscale version is **17.6116, 18.5288, 20.1779**.

A 20% lighter version of the original color is **53.2235, 43.2493, 12.0213**, and **11.4977, 7.4363, 0.8294** is the 20% darker color. If you saturate the color by 10%, you get **26.8552, 18.7369, 2.2329**, and if you desaturate by 10%, it is **29.3574, 23.1131, 5.0030**.

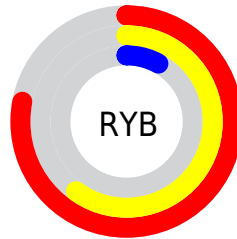
Distribution



Red (78%)

Green (38%)

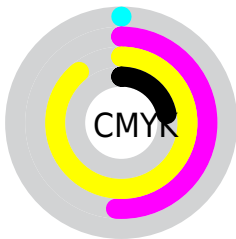
Blue (8%)



Red (78%)

Yellow (60%)

Blue (8%)

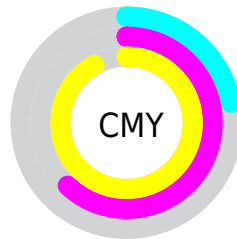


Cyan (0%)

Magenta (51%)

Yellow (89%)

Black (22%)



Cyan (22%)


Magenta (62%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9632, 20.7456, 3.2400 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 27.9632, 20.7456, 3.2400 by changing the saturation by 10% instead.

 27.9632, 20.7456,
3.2400


 27.9632, 20.7456,
3.2400


284.3743,
255.9234, 139.3610


 18.4382, 12.9382,
1.2184


 55.8347, 44.6638,
12.2151


 11.3667, 7.3860,
0.0000


 74.9120, 61.5433,
20.0058

 6.3831, 3.7046,
0.0000


 97.9041, 82.2156,
30.5565

 3.1223, 1.5098,
0.0000

 125.1764,
107.0652, 44.2860

 1.2188, 0.2956,
0.0000

 157.0942,
136.4763, 61.6126


 0.1211, 0.0000,
0.0000


 194.0229,


 0.0000, 0.0000,


170.8335, 82.9549


0.0000


 236.3278,
210.5210, 108.7316


 27.9632, 20.7456,
3.2400


 27.9632, 20.7456,
3.2400


 26.8552, 18.7369,
2.2329


 29.3574, 23.1131,
5.0030

 26.7992, 18.6344,
2.1843

 31.0839, 25.8646,
7.7413

 33.1723, 29.0221,
11.5800

 35.6478, 32.6042,
16.6248

 38.5328, 36.6284,
22.9692

■ 41.8481, 41.1107,
30.6969

■ 45.6126, 46.0664,
39.8849

■ 49.8442, 51.5100,
50.6043

■ 54.5596, 57.4553,
62.9215

Harmonies

Analogous

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



34.2660, 20.7456, 9.2161



27.9632, 20.7456, 3.2400



20.4152, 20.7456, 1.8329

Triad

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



27.9632, 20.7456, 3.2400



9.1136, 20.7456, 20.6718



26.4835, 20.7456, 77.1022

Complementary

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



27.9632, 20.7456, 3.2400



17.7007, 18.4482, 56.6602

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.



19.0370, 20.7456, 86.9265



27.9632, 20.7456, 3.2400



10.0102, 20.7456, 45.0042

Square

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



27.9632, 20.7456, 3.2400



10.4552, 20.7456, 7.4607



13.2775, 20.7456, 72.7141



33.2796, 20.7456, 50.6364

Rectangle

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



27.9632, 20.7456, 3.2400



16.0332, 20.7456, 2.1583



13.2775, 20.7456, 72.7141



23.9282, 20.7456, 82.9551

Sweetspot

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



27.9637, 20.7467, 3.2404



74.5592, 73.6921, 56.8323



27.5123, 14.1549, 20.6288



15.4976, 15.1588, 11.0618



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.



27.9637, 20.7467, 3.2404



46.6961, 32.1722, 3.7487



40.8634, 46.5463, 7.5403



11.0000, 11.3691, 11.1775



17.3157, 12.1487, 1.4323



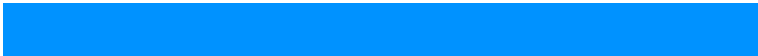
0.8914, 0.7183, 0.0917

Inverse Universe

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



17.7007, 18.4482, 56.6602



28.3470, 27.8140, 98.4823



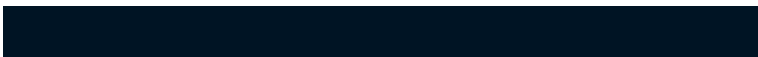
11.2440, 5.5349, 54.5080



10.5527, 11.2795, 13.5385



10.5885, 10.5710, 36.2267



0.5722, 0.6421, 1.7389

Previews

White Background



This preview shows how the XYZ color 27.9632, 20.7456, 3.2400 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 27.9632, 20.7456, 3.2400 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 27.9632, 20.7456, 3.2400

Background



This preview shows how black text looks on a background with the XYZ color 27.9632, 20.7456, 3.2400.



This preview shows how white text looks on a background with the XYZ color 27.9632, 20.7456,

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

27.9632, 20.7456, 3.2400

Protanopia

18.9665, 21.0182, 4.2197

Deuteranopia

21.2137, 20.9065, 2.9173



Tritanopia

30.1710, 20.7320, 13.7207

Trichromacy



Original Color

27.9632, 20.7456, 3.2400

Protanomaly

21.5361, 20.3519, 3.7705

Deuteranomaly

23.2936, 20.6045, 2.9791

Tritanomaly

29.0759, 20.6759, 8.0886

Monochromacy



Original Color

27.9632, 20.7456, 3.2400

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.4585, 18.2893, 10.6882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9632, 20.7456, 3.2400 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(199, 97, 21)` looks like.

```
.text, #text, p{  
    color:rgb(199, 97, 21)  
}
```

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(199, 97, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 97, 21) }
```

Border

The CSS property to change the border of an element to XYZ 27.9632, 20.7456, 3.2400 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(199, 97, 21) }
```


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

```
.border{ border-color:rgb(199, 97, 21) }
```

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

Here you see how a box with a 4 pixel rgb(199, 97, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 97, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 97, 21);  
box-shadow:4px 4px 4px 4px rgb(199, 97,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9632, 20.7456, 3.2400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 97, 21) }
```

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

```
.background{ background-color: rgb(199, 97,  
21) }
```

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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