

Converting Colors

XYZ(28.4030, 20.9246, 3.2061)

Have a look what the booklet for
XYZ(28.4030, 20.9246, 3.2061)
contains.

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Color

**XYZ(28.4884, 21.0174,
3.2171)**

Conversions

Conversions Part 1

Format	Color
Hex	C96114
RGB	201, 97, 20
RGB Percent	79%, 38%, 8%
CMY	0.2118, 0.6196, 0.9216
CMYK	0.00, 0.52, 0.90, 0.21
HSL	26°, 82%, 43%
HSV	26°, 90%, 79%
XYZ	28.4884, 21.0174, 3.2171
YIQ	119.3180, 86.7010, -1.8990

Conversions

Conversions Part 2

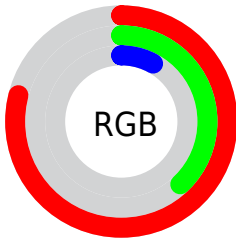
Format	Color
R_{YB}	201, 154, 20
Decimal	13197588
CIE _{Lab}	52.97, 37.34, 57.08
CIE _{LCh}	53, 68.208, 56.811
Yxy	21.0174, 0.5403, 0.3986
Android (android.graphics.Color)	4291387668 (0xFFC96114)
YUV	119.3180, -48.9638, 71.6351
Hunter-Lab	45.8447, 30.6935, 27.9307

Details

The XYZ color **28.4884, 21.0174, 3.2171** 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 **18.0384, 18.7803, 57.9323**, and the grayscale version is **17.7675, 18.6928, 20.3564**.

A 20% lighter version of the original color is **53.2235, 43.2493, 12.0213**, and **11.8317, 7.6085, 0.8450** is the 20% darker color. If you saturate the color by 10%, you get **27.3763, 18.9955, 2.2236**, and if you desaturate by 10%, it is **29.8933, 23.4140, 4.9605**.

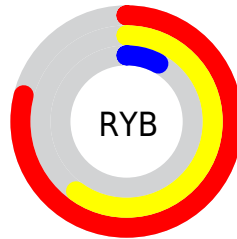
Distribution



Red (79%)

Green (38%)

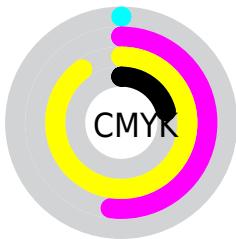
Blue (8%)



Red (79%)

Yellow (60%)

Blue (8%)

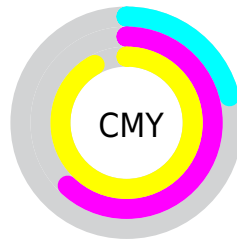


Cyan (0%)

Magenta (52%)

Yellow (90%)

Black (21%)



Cyan (21%)


Magenta (62%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4884, 21.0174, 3.2171 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 28.4884, 21.0174, 3.2171 by changing the saturation by 10% instead.


 28.4884, 21.0174,
3.2171

 28.4884, 21.0174,
3.2171


286.8313,
257.3710, 139.0794


 18.8365, 13.1367,
1.2065


 56.6665, 45.1165,
12.1596

 11.6555, 7.5228,
0.0000


 75.9233, 62.1037,
19.9286

 6.5801, 3.7911,
0.0000


 99.1125, 82.8952,
30.4542

 3.2449, 1.5574,
0.0000

 126.5994,
107.8754, 44.1549

 1.2845, 0.3286,
0.0000

 158.7494,
137.4287, 61.4492

 0.1716, 0.0000,
0.0000

 195.9278,

 0.0000, 0.0000,

171.9394, 82.7557

0.0000

238.5000,
211.7920, 108.4929

28.4884, 21.0174,
3.2171

28.4884, 21.0174,
3.2171

27.3763, 18.9955,
2.2236

29.8933, 23.4140,
4.9605

31.6372, 26.2038,
7.6936

33.7507, 29.4095,
11.5461

36.2598, 33.0507,
16.6276

39.1878, 37.1452,
23.0343

■ 42.5560, 41.7098,
30.8527

■ 46.3841, 46.7601,
40.1622

■ 50.6904, 52.3112,
51.0358

■ 55.4922, 58.3772,
63.5419

Harmonies

Analogous

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



34.9332, 21.0174, 9.3214



28.4884, 21.0174, 3.2171



20.7512, 21.0174, 1.7852

Triad

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



28.4884, 21.0174, 3.2171



9.1523, 21.0174, 20.7627



26.8424, 21.0174, 79.0948

Complementary

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



28.4884, 21.0174, 3.2171



18.0384, 18.7803, 57.9323

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.



19.2211, 21.0174, 89.0211



28.4884, 21.0174, 3.2171



10.0457, 21.0174, 45.6383

Square

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



28.4884, 21.0174, 3.2171



10.5373, 21.0174, 7.3878



13.3552, 21.0174, 74.1915



33.8346, 21.0174, 51.9185

Rectangle

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



28.4884, 21.0174, 3.2171



16.2577, 21.0174, 2.0979



13.3552, 21.0174, 74.1915



24.2229, 21.0174, 85.0694

Sweetspot

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



28.4889, 21.0186, 3.2175



74.5319, 73.6376, 56.8232



28.0766, 14.4135, 20.9007



15.4913, 15.1460, 11.0597



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.



28.4889, 21.0186, 3.2175



46.6541, 32.0882, 3.7347



41.7549, 47.5506, 7.6395



10.9986, 11.3664, 11.1770



17.3000, 12.1172, 1.4270



0.8906, 0.7167, 0.0914

Inverse Universe

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



18.0384, 18.7803, 57.9323



28.4081, 27.9363, 98.5027



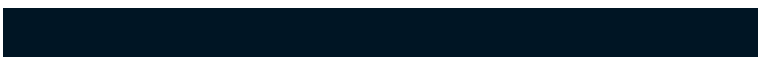
11.4347, 5.5730, 55.7310



10.5541, 11.2823, 13.5389



10.6109, 10.6158, 36.2342



0.5732, 0.6441, 1.7393

Previews

White Background



This preview shows how the XYZ color 28.4884, 21.0174, 3.2171 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 28.4884, 21.0174, 3.2171 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 28.4884, 21.0174, 3.2171

Background



This preview shows how black text looks on a background with the XYZ color 28.4884, 21.0174, 3.2171.



This preview shows how white text looks on a background with the XYZ color 28.4884, 21.0174,

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

28.4884, 21.0174, 3.2171

Protanopia

19.1267, 21.1022, 4.1637

Deuteranopia

21.4144, 21.0100, 2.9267



Tritanopia

30.7157, 21.0128, 13.7462

Trichromacy



Original Color

28.4884, 21.0174, 3.2171

Protanomaly

21.7307, 20.4535, 3.7223

Deuteranomaly

23.7370, 20.8338, 2.9713

Tritanomaly

29.6171, 20.9549, 8.1139

Monochromacy



Original Color

28.4884, 21.0174, 3.2171

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.6402, 18.3830, 10.6967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4884, 21.0174, 3.2171 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(201, 97, 20)` looks like.

```
.text, #text, p{  
    color:rgb(201, 97, 20)  
}
```

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(201, 97, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 97, 20) }
```

Border

The CSS property to change the border of an element to XYZ 28.4884, 21.0174, 3.2171 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(201, 97, 20) }
```


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

```
.border{ border-color:rgb(201, 97, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 97, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 97, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 97, 20);  
box-shadow:4px 4px 4px 4px rgb(201, 97,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4884, 21.0174, 3.2171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 97, 20) }
```

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

```
.background{ background-color: rgb(201, 97,  
20) }
```

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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