

Converting Colors

XYZ(27.4227, 21.0106, 3.4069)

Have a look what the booklet for
XYZ(27.4227, 21.0106, 3.4069)
contains.

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Color

**XYZ(27.3140, 20.9713,
3.4189)**

Conversions

Conversions Part 1

Format	Color
Hex	C36517
RGB	195, 101, 23
RGB Percent	76%, 40%, 9%
CMY	0.2353, 0.6039, 0.9098
CMYK	0.00, 0.48, 0.88, 0.24
HSL	27°, 79%, 43%
HSV	27°, 88%, 76%
XYZ	27.3140, 20.9713, 3.4189
YIQ	120.2140, 81.0620, -4.3300

Conversions

Conversions Part 2

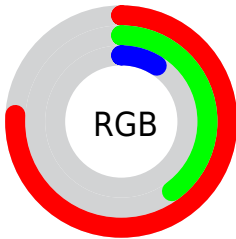
Format	Color
RYB	195, 166, 23
Decimal	12805399
CIELab	52.92, 32.89, 55.73
CIElCh	53, 64.711, 59.449
Yxy	20.9713, 0.5283, 0.4056
Android (android.graphics.Color)	4290995479 (0xFFC36517)
YUV	120.2140, -47.9265, 65.5873
Hunter-Lab	45.7944, 26.3257, 27.6297

Details

The XYZ color **27.3140, 20.9713, 3.4189** 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 **16.5646, 16.8442, 54.0075**, and the grayscale version is **18.0524, 18.9926, 20.6829**.

A 20% lighter version of the original color is **53.9357, 44.5643, 12.5965**, and **11.2197, 7.6069, 0.8769** is the 20% darker color. If you saturate the color by 10%, you get **26.2104, 18.9811, 2.3829**, and if you desaturate by 10%, it is **28.6895, 23.2868, 5.2208**.

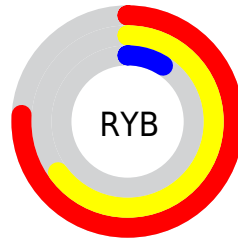
Distribution



Red (76%)

Green (40%)

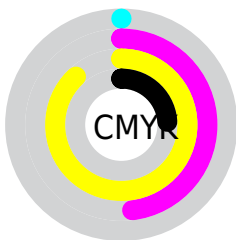
Blue (9%)



Red (76%)

Yellow (65%)

Blue (9%)

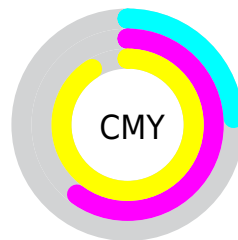


Cyan (0%)

Magenta (48%)

Yellow (88%)

Black (24%)



Cyan (24%)


Magenta (60%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.3140, 20.9713, 3.4189 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 27.3140, 20.9713, 3.4189 by changing the saturation by 10% instead.


 27.3140, 20.9713,
3.4189


 27.3140, 20.9713,
3.4189


281.3142,
257.1259, 141.5291


 17.9470, 13.1030,
1.3123


 54.8037, 45.0398,
12.6457


 11.0114, 7.4995,
0.0718


 73.6570, 62.0087,
20.6030

 6.1419, 3.7764,
0.0000


 96.4032, 82.7801,
31.3476

 2.9730, 1.5493,
0.0000

 123.4076,
107.7382, 45.2980

 1.1395, 0.3230,
0.0000

 155.0356,
137.2674, 62.8729


 0.0578, 0.0000,
0.0000


 191.6524,


 0.0000, 0.0000,


171.7522, 84.4906


0.0000


 233.6235,
211.5769, 110.5699


 27.3140, 20.9713,
3.4189


 27.3140, 20.9713,
3.4189


 26.2104, 18.9811,
2.3829


 28.6895, 23.2868,
5.2208

 26.0310, 18.6531,
2.2284

 30.3739, 25.9474,
7.9654

 32.3938, 28.9720,
11.7688

 34.7722, 32.3768,
16.7295

 37.5295, 36.1768,
22.9347

■ 40.6845, 40.3859,
30.4632

■ 44.2545, 45.0172,
39.3871

■ 48.2557, 50.0833,
49.7732

■ 52.7034, 55.5960,
61.6842

Harmonies

Analogous

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



33.5634, 20.9713, 8.9652



27.3140, 20.9713, 3.4189



20.0580, 20.9713, 2.1570

Triad

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



27.3140, 20.9713, 3.4189



9.5383, 20.9713, 22.4775



27.0474, 20.9713, 73.1608

Complementary

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



27.3140, 20.9713, 3.4189



16.5646, 16.8442, 54.0075

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.



19.8077, 20.9713, 84.1408



27.3140, 20.9713, 3.4189



10.6051, 20.9713, 46.5252

Square

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



27.3140, 20.9713, 3.4189



10.6875, 20.9713, 8.6364



14.0175, 20.9713, 72.3843



33.3865, 20.9713, 47.5303

Rectangle

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



27.3140, 20.9713, 3.4189



15.9022, 20.9713, 2.6290



14.0175, 20.9713, 72.3843



24.5922, 20.9713, 79.1675

Sweetspot

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



27.3145, 20.9724, 3.4193



73.9625, 73.7690, 57.2494



26.0583, 13.5135, 18.2505



15.7312, 15.5422, 11.3979



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.



27.3145, 20.9724, 3.4193



46.3807, 32.9249, 3.9106



40.3034, 46.9503, 7.7489



10.4410, 10.8134, 10.5988



17.0007, 12.2871, 1.4756



0.8033, 0.6684, 0.0867

Inverse Universe

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



16.5646, 16.8442, 54.0075



26.7249, 25.2224, 95.9297



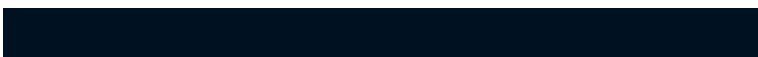
10.7096, 5.1341, 52.0559



9.9742, 10.6397, 12.8128



9.8749, 9.5064, 34.8711



0.4948, 0.5470, 1.5294

Previews

White Background



This preview shows how the XYZ color 27.3140, 20.9713, 3.4189 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 27.3140, 20.9713, 3.4189 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 27.3140, 20.9713, 3.4189

Background



This preview shows how black text looks on a background with the XYZ color 27.3140, 20.9713, 3.4189.



This preview shows how white text looks on a background with the XYZ color 27.3140, 20.9713,

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

27.3140, 20.9713, 3.4189

Protanopia

19.1514, 21.1121, 4.2940

Deuteranopia

21.4144, 21.0100, 2.9267



Tritanopia

29.6404, 20.9508, 14.7936

Trichromacy



Original Color

27.3140, 20.9713, 3.4189

Protanomaly

21.5766, 20.7174, 3.8986

Deuteranomaly

23.1825, 20.7120, 3.0057

Tritanomaly

28.5033, 20.9007, 8.8353

Monochromacy



Original Color

27.3140, 20.9713, 3.4189

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.5774, 18.6692, 11.1660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3140, 20.9713, 3.4189 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(195, 101, 23)` looks like.

```
.text, #text, p{  
    color:rgb(195, 101, 23)  
}
```

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(195, 101, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 101, 23) }
```

Border

The CSS property to change the border of an element to XYZ 27.3140, 20.9713, 3.4189 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(195, 101, 23) }
```


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

```
.border{ border-color:rgb(195, 101, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 101, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 101, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 101, 23);  
box-shadow:4px 4px 4px 4px rgb(195, 101,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3140, 20.9713, 3.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 101, 23) }
```

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

```
.background{ background-color: rgb(195,  
101, 23) }
```

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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