

Converting Colors

XYZ(31.4853, 27.1991, 5.5893)

Have a look what the booklet for
XYZ(31.4853, 27.1991, 5.5893)
contains.

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Color

**XYZ(31.3970, 27.2170,
5.6061)**

Conversions

Conversions Part 1

Format	Color
Hex	C77E28
RGB	199, 126, 40
RGB Percent	78%, 49%, 16%
CMY	0.2196, 0.5059, 0.8431
CMYK	0.00, 0.37, 0.80, 0.22
HSL	32°, 67%, 47%
HSV	32°, 80%, 78%
XYZ	31.3970, 27.2170, 5.6061
YIQ	138.0230, 71.1140, -11.2700

Conversions

Conversions Part 2

Format	Color
R_{YB}	175, 199, 40
Decimal	13073960
CIE _{Lab}	59.17, 21.61, 55.21
CIE _{LCh}	59, 59.285, 68.625
Yxy	27.2170, 0.4889, 0.4238
Android (android.graphics.Color)	4291264040 (0xFFC77E28)
YUV	138.0230, -48.3253, 53.4768
Hunter-Lab	52.1699, 16.1279, 30.1477

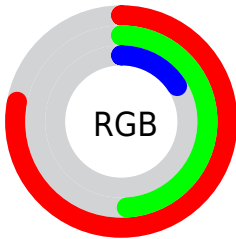
Details

The XYZ color **31.3970, 27.2170, 5.6061** is a dark color, and the websafe version is hex **996600**.

The color can be described as dark muted orange. A complement of this color would be **17.0886, 16.3841, 56.2941**, and the grayscale version is **24.3266, 25.5935, 27.8713**.

A 20% lighter version of the original color is **59.2919, 54.2729, 17.4759**, and **13.4691, 10.8832, 1.3908** is the 20% darker color. If you saturate the color by 10%, you get **30.0263, 24.8852, 3.8874**, and if you desaturate by 10%, it is **33.0498, 29.8347, 8.2783**.

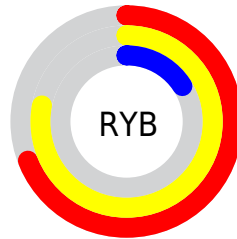
Distribution



Red (78%)

Green (49%)

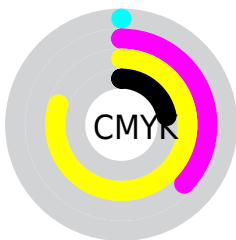
Blue (16%)



Red (69%)

Yellow (78%)

Blue (16%)

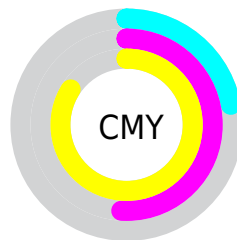


Cyan (0%)

Magenta (37%)

Yellow (80%)

Black (22%)



Cyan (22%)


Magenta (51%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3970, 27.2170, 5.6061 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 31.3970, 27.2170, 5.6061 by changing the saturation by 10% instead.


 31.3970, 27.2170,
5.6061


 31.3970, 27.2170,
5.6061


300.1575,
288.7063, 164.6844


 21.0546, 17.7363,
2.5422


 61.2362, 55.2319,
17.5710


 13.2766, 10.7608,
0.8624


 81.4637, 74.5348,
27.3091

 7.6976, 5.9062,
0.0000


 105.7170, 97.8806,
40.1090

 3.9523, 2.7881,
0.0000

 134.3614,
125.6537, 56.3892

 1.6752, 1.0222,
0.0000

 167.7623,
158.2384, 76.5683

 0.4406, 0.0000,
0.0000

 206.2851,

 0.0000, 0.0000,

196.0191, 101.0649

0.0000

250.2950,
239.3803, 130.2974

■ 31.3970, 27.2170,
5.6061

■ 31.3970, 27.2170,
5.6061

■ 30.0263, 24.8852,
3.8874

■ 33.0498, 29.8347,
8.2783

■ 28.8886, 22.8116,
2.8863

■ 35.0090, 32.7489,
12.0273

■ 28.8777, 22.7915,
2.8772

■ 37.2979, 35.9743,
16.9593

■ 39.9363, 39.5230,
23.1670

■ 42.9426, 43.4061,
30.7340

■ 46.3334, 47.6341,
39.7366

■ 50.1244, 52.2171,
50.2455

■ 54.3300, 57.1643,
62.3265

■ 58.9642, 62.4850,
76.0416

Harmonies

Analogous

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



38.6233, 27.2170, 10.8085



31.3970, 27.2170, 5.6061



23.7975, 27.2170, 4.8706

Triad

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



31.3970, 27.2170, 5.6061



14.2167, 27.2170, 36.1608



35.7831, 27.2170, 74.1101

Complementary

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



31.3970, 27.2170, 5.6061



17.0886, 16.3841, 56.2941

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.



28.0572, 27.2170, 90.7637



31.3970, 27.2170, 5.6061



16.2859, 27.2170, 62.9563

Square

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



31.3970, 27.2170, 5.6061



14.7713, 27.2170, 17.1468



21.0311, 27.2170, 85.9228



41.4722, 27.2170, 47.0646

Rectangle

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



31.3970, 27.2170, 5.6061



19.6453, 27.2170, 6.3531



21.0311, 27.2170, 85.9228



33.2850, 27.2170, 81.5797

Sweetspot

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



31.3976, 27.2184, 5.6066



78.3979, 80.0316, 62.2369



27.3606, 14.8793, 17.4096



16.3277, 16.5632, 12.1269



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.



31.3976, 27.2184, 5.6066



51.0606, 40.8119, 5.4792



42.9773, 52.4293, 9.8625



11.1012, 11.5714, 11.2112



18.6577, 14.8326, 1.8796



0.9553, 0.8460, 0.1129

Inverse Universe

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



17.0886, 16.3841, 56.2941



25.2093, 21.3490, 97.3998



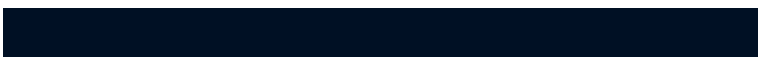
12.1632, 6.2061, 54.5891



10.4512, 11.0764, 13.5046



9.1397, 7.6733, 35.7437



0.5050, 0.5078, 1.7165

Previews

White Background



This preview shows how the XYZ color 31.3970, 27.2170, 5.6061 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 31.3970, 27.2170, 5.6061 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 31.3970, 27.2170, 5.6061

Background



This preview shows how black text looks on a background with the XYZ color 31.3970, 27.2170, 5.6061.



This preview shows how white text looks on a background with the XYZ color 31.3970, 27.2170,

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

31.3970, 27.2170, 5.6061

Protanopia

24.7743, 27.3004, 6.3466

Deuteranopia

27.9450, 27.4390, 5.4925



Tritanopia

35.1462, 27.3006, 23.1558

Trichromacy



Original Color

31.3970, 27.2170, 5.6061

Protanomaly

26.8373, 27.0644, 6.0950

Deuteranomaly

29.0787, 27.2009, 5.4679

Tritanomaly

33.2601, 27.0575, 14.2961

Monochromacy



Original Color

31.3970, 27.2170, 5.6061

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.4206, 25.4831, 16.1493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3970, 27.2170, 5.6061 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, 126, 40)` looks like.

```
.text, #text, p{  
    color:rgb(199, 126, 40)  
}
```

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, 126, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 126, 40) }
```

Border

The CSS property to change the border of an element to XYZ 31.3970, 27.2170, 5.6061 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, 126, 40) }
```


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

```
.border{ border-color:rgb(199, 126, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 126, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 126, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 126, 40);  
box-shadow:4px 4px 4px 4px rgb(199, 126,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3970, 27.2170, 5.6061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 126, 40) }
```

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

```
.background{ background-color: rgb(199,  
126, 40) }
```

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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