

Converting Colors

XYZ(31.1411, 26.8743, 4.2077)

Have a look what the booklet for
XYZ(31.1411, 26.8743, 4.2077)
contains.

XYZ(31.2793, 26.9971, 4.2242)	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(31.2793, 26.9971,
4.2242)**

Conversions

Conversions Part 1

Format	Color
Hex	C87D14
RGB	200, 125, 20
RGB Percent	78%, 49%, 8%
CMY	0.2157, 0.5098, 0.9215
CMYK	0.00, 0.37, 0.90, 0.22
HSL	35°, 82%, 43%
HSV	35°, 90%, 78%
XYZ	31.2793, 26.9971, 4.2242
YIQ	135.4550, 78.4050, -16.7550

Conversions

Conversions Part 2

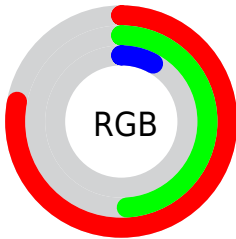
Format	Color
R_{YB}	149, 200, 20
Decimal	13139220
CIE _{Lab}	58.97, 22.05, 61.56
CIE _{LCh}	59, 65.386, 70.291
Yxy	26.9971, 0.5005, 0.4319
Android (android.graphics.Color)	4291329300 (0xFFC87D14)
YUV	135.4550, -56.9193, 56.6060
Hunter-Lab	51.9587, 16.5297, 31.5509

Details

The XYZ color **31.2793, 26.9971, 4.2242** 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 **14.8060, 12.5032, 56.2761**, and the grayscale version is **23.3842, 24.6020, 26.7915**.

A 20% lighter version of the original color is **58.5355, 53.6508, 14.4782**, and **13.3997, 10.7443, 1.3676** is the 20% darker color. If you saturate the color by 10%, you get **30.1425, 24.9258, 3.2226**, and if you desaturate by 10%, it is **32.6363, 29.3005, 5.9434**.

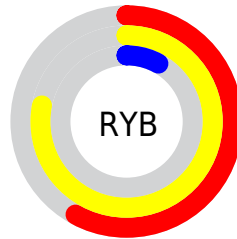
Distribution



Red (78%)

Green (49%)

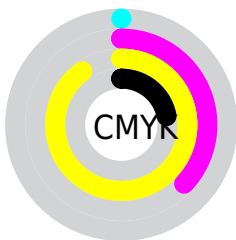
Blue (8%)



Red (58%)

Yellow (78%)

Blue (8%)

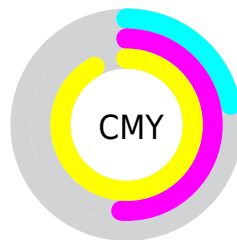


Cyan (0%)

Magenta (37%)

Yellow (90%)

Black (22%)



Cyan (22%)

Magenta (51%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2793, 26.9971, 4.2242 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 31.2793, 26.9971, 4.2242 by changing the saturation by 10% instead.

31.2793, 26.9971,
4.2242

31.2793, 26.9971,
4.2242

299.6269,
287.6431, 150.6857

20.9645, 17.5710,
1.7491

61.0524, 54.8792,
14.5236

13.2104, 10.6425,
0.3941

81.2414, 74.1041,
23.1850

7.6516, 5.8270,
0.0000

105.4525, 97.3640,
34.7457

3.9227, 2.7401,
0.0000

134.0510,
125.0433, 49.6240

1.6585, 0.9976,
0.0000

167.4024,
157.5265, 68.2387

0.4301, 0.0000,
0.0000

205.8719,

0.0000, 0.0000,

195.1979, 91.0081

0.0000

249.8250,
238.4420, 118.3510

31.2793, 26.9971,
4.2242

31.2793, 26.9971,
4.2242

30.1425, 24.9258,
3.2226

32.6363, 29.3005,
5.9434

30.1422, 24.9252,
3.2224

34.2592, 31.8540,
8.6185

36.1745, 34.6727,
12.3764

38.4042, 37.7684,
17.3239

40.9681, 41.1522,
23.5550

■ 43.8838, 44.8340,
31.1539

■ 47.1677, 48.8233,
40.1980

■ 50.8350, 53.1288,
50.7584

■ 54.8998, 57.7590,
62.9018

Harmonies

Analogous

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



39.4687, 26.9971, 8.9556



31.2793, 26.9971, 4.2242



22.9766, 26.9971, 3.7252

Triad

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



31.2793, 26.9971, 4.2242



13.1831, 26.9971, 38.1066



37.1079, 26.9971, 78.2379

Complementary

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



31.2793, 26.9971, 4.2242



14.8060, 12.5032, 56.2761

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.



28.5444, 26.9971, 98.7546



31.2793, 26.9971, 4.2242



15.5185, 26.9971, 68.7075

Square

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



31.2793, 26.9971, 4.2242



13.6123, 26.9971, 16.7720



20.7574, 26.9971, 94.5634



43.2939, 26.9971, 47.1510

Rectangle

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



31.2793, 26.9971, 4.2242



18.5780, 26.9971, 5.2518



20.7574, 26.9971, 94.5634



34.3455, 26.9971, 87.1867

Sweetspot

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



31.2799, 26.9985, 4.2247



77.4007, 79.3752, 57.7795



26.1352, 13.6061, 12.0760



16.1652, 16.4940, 11.2844



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.



31.2799, 26.9985, 4.2247



51.9488, 42.6776, 5.4996



40.7880, 51.6730, 8.4862



11.1392, 11.6476, 11.2239



19.2558, 16.0288, 2.0790



0.9821, 0.8996, 0.1219

Inverse Universe

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



14.8060, 12.5032, 56.2761



23.2293, 17.5785, 96.7764



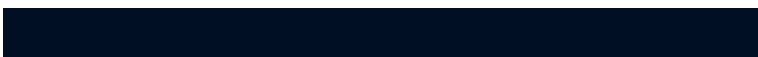
11.3688, 5.0280, 55.0144



10.4137, 11.0014, 13.4921



8.6957, 6.7853, 35.5957



0.4829, 0.4637, 1.7092

Previews

White Background



This preview shows how the XYZ color 31.2793, 26.9971, 4.2242 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 31.2793, 26.9971, 4.2242 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 31.2793, 26.9971, 4.2242

Background



This preview shows how black text looks on a background with the XYZ color 31.2793, 26.9971, 4.2242.



This preview shows how white text looks on a background with the XYZ color 31.2793, 26.9971,

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

31.2793, 26.9971, 4.2242

Protanopia

24.4951, 27.1887, 4.8766

Deuteranopia

27.5247, 27.0466, 3.9708



Tritanopia

35.1239, 26.9506, 22.7528

Trichromacy



Original Color

31.2793, 26.9971, 4.2242

Protanomaly

26.6380, 26.7841, 4.5765

Deuteranomaly

28.6762, 26.8239, 4.0140

Tritanomaly

32.9457, 26.5783, 12.4105

Monochromacy



Original Color

31.2793, 26.9971, 4.2242

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.3902, 24.3938, 13.7789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2793, 26.9971, 4.2242 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(200, 125, 20)` looks like.

```
.text, #text, p{  
    color:rgb(200, 125, 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(200, 125, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 125, 20) }
```

Border

The CSS property to change the border of an element to XYZ 31.2793, 26.9971, 4.2242 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(200, 125, 20) }
```


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

```
.border{ border-color:rgb(200, 125, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 125, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 125, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 125, 20);  
box-shadow:4px 4px 4px 4px rgb(200, 125,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2793, 26.9971, 4.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 125, 20) }
```

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

```
.background{ background-color: rgb(200,  
125, 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](#).

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