

Converting Colors

XYZ(32.6894, 28.2016, 4.4020)

Have a look what the booklet for
XYZ(32.6894, 28.2016, 4.4020)
contains.

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Color

**XYZ(32.7473, 28.3262,
4.4034)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8014
RGB	204, 128, 20
RGB Percent	80%, 50%, 8%
CMY	0.2000, 0.4980, 0.9215
CMYK	0.00, 0.37, 0.90, 0.20
HSL	35°, 82%, 44%
HSV	35°, 90%, 80%
XYZ	32.7473, 28.3262, 4.4034
YIQ	138.4120, 79.9640, -17.4760

Conversions

Conversions Part 2

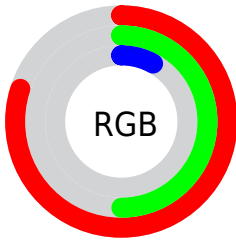
Format	Color
R_{YB}	149, 204, 20
Decimal	13402132
CIE _{Lab}	60.18, 22.15, 62.70
CIE _{LCh}	60, 66.497, 70.543
Yxy	28.3262, 0.5001, 0.4326
Android (android.graphics.Color)	4291592212 (0xFFCC8014)
YUV	138.4120, -58.3771, 57.5207
Hunter-Lab	53.2224, 16.6905, 32.3502

Details

The XYZ color **32.7473, 28.3262, 4.4034** 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 **15.3705, 12.8742, 58.8012**, and the grayscale version is **24.5110, 25.7875, 28.0826**.

A 20% lighter version of the original color is **59.1390, 54.8578, 14.6794**, and **14.2976, 11.5213, 1.4703** is the 20% darker color. If you saturate the color by 10%, you get **31.5872, 26.2084, 3.3939**, and if you desaturate by 10%, it is **34.1567, 30.7234, 6.1739**.

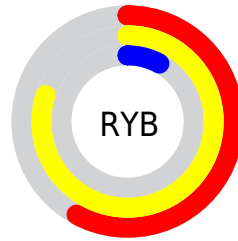
Distribution



Red (80%)

Green (50%)

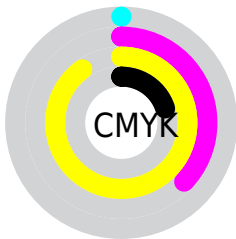
Blue (8%)



Red (58%)

Yellow (80%)

Blue (8%)

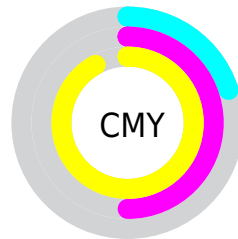


Cyan (0%)

Magenta (37%)

Yellow (90%)

Black (20%)



Cyan (20%)

Magenta (50%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7473, 28.3262, 4.4034 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 32.7473, 28.3262, 4.4034 by changing the saturation by 10% instead.


 32.7473, 28.3262,
4.4034


 32.7473, 28.3262,
4.4034


306.1947,
294.0224, 152.6088

 22.0912, 18.5717,
1.8492


 63.3381, 57.0048,
14.9299


 14.0409, 11.3612,
0.4601


 84.0036, 76.6977,
23.7393

 8.2310, 6.3103,
0.0000


 108.7362,
100.4722, 35.4708

 4.2962, 3.0347,
0.0000

 137.9014,
128.7127, 50.5429

 1.8710, 1.1499,
0.0000

 171.8645,
161.8036, 69.3742

 0.5599, 0.0202,
0.0000

 210.9909,

 0.0000, 0.0000,

200.1292, 92.3833

0.0000

255.6458,
244.0740, 119.9887

32.7473, 28.3262,
4.4034

32.7473, 28.3262,
4.4034

31.5872, 26.2084,
3.3939

34.1567, 30.7234,
6.1739

35.8424, 33.3793,
8.9414

37.8322, 36.3096,
12.8397

40.1495, 39.5269,
17.9816

42.8148, 43.0424,
24.4659

■ 45.8468, 46.8666,
32.3812

■ 49.2625, 51.0092,
41.8088

■ 53.0778, 55.4796,
52.8235

■ 57.3077, 60.2863,
65.4954

Harmonies

Analogous

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



41.3635, 28.3262, 9.3147



32.7473, 28.3262, 4.4034



24.0401, 28.3262, 3.9084

Triad

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



32.7473, 28.3262, 4.4034



13.8320, 28.3262, 40.2316



39.0158, 28.3262, 81.8903

Complementary

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



32.7473, 28.3262, 4.4034



15.3705, 12.8742, 58.8012

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.



30.0281, 28.3262, 103.6179



32.7473, 28.3262, 4.4034



16.3084, 28.3262, 72.4099

Square

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



32.7473, 28.3262, 4.4034



14.2584, 28.3262, 17.7223



21.8341, 28.3262, 99.4480



45.4774, 28.3262, 49.2253

Rectangle

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



32.7473, 28.3262, 4.4034



19.4374, 28.3262, 5.5328



21.8341, 28.3262, 99.4480



36.1198, 28.3262, 91.3328

Sweetspot

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



32.7479, 28.3277, 4.4039



77.4687, 79.5111, 57.8022



27.2943, 14.1948, 12.5301



16.1813, 16.5261, 11.2897



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.



32.7479, 28.3277, 4.4039



52.0951, 42.9703, 5.5484



42.6227, 54.0122, 8.8411



11.7503, 12.2896, 11.8323



19.9752, 16.6833, 2.1674



1.1042, 1.0081, 0.1364

Inverse Universe

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



15.3705, 12.8742, 58.8012



23.1344, 17.3888, 96.7448



11.8540, 5.2234, 57.5098



10.9760, 11.5924, 14.2294



8.9550, 6.9340, 36.8227



0.5362, 0.5062, 1.9244

Previews

White Background



This preview shows how the XYZ color 32.7473, 28.3262, 4.4034 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 32.7473, 28.3262, 4.4034 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 32.7473, 28.3262, 4.4034

Background



This preview shows how black text looks on a background with the XYZ color 32.7473, 28.3262, 4.4034.



This preview shows how white text looks on a background with the XYZ color 32.7473, 28.3262,

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

32.7473, 28.3262, 4.4034

Protanopia

25.7642, 28.5205, 5.0668

Deuteranopia

28.8885, 28.3805, 4.1277



Tritanopia

36.7876, 28.3075, 23.9470

Trichromacy



Original Color

32.7473, 28.3262, 4.4034

Protanomaly

27.9777, 28.1108, 4.7620

Deuteranomaly

30.0714, 28.1507, 4.1653

Tritanomaly

34.4948, 27.9057, 13.0195

Monochromacy



Original Color

32.7473, 28.3262, 4.4034

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.4909, 25.5578, 14.4161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7473, 28.3262, 4.4034 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(204, 128, 20)` looks like.

```
.text, #text, p{  
    color:rgb(204, 128, 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(204, 128, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 128, 20) }
```

Border

The CSS property to change the border of an element to XYZ 32.7473, 28.3262, 4.4034 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(204, 128, 20) }
```


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

```
.border{ border-color:rgb(204, 128, 20) }
```

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

Here you see how a box with a 4 pixel rgb(204, 128, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 128, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 128, 20);  
box-shadow:4px 4px 4px 4px rgb(204, 128,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7473, 28.3262, 4.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 128, 20) }
```

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

```
.background{ background-color: rgb(204,  
128, 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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