

Converting Colors

XYZ(40.1598, 32.9281, 17.4160)

Have a look what the booklet for
XYZ(40.1598, 32.9281, 17.4160)
contains.

XYZ(40.0996, 32.8346, 17.3209)	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(40.0996, 32.8346,
17.3209)**

Conversions

Conversions Part 1

Format	Color
Hex	DB8568
RGB	219, 133, 104
RGB Percent	86%, 52%, 41%
CMY	0.1412, 0.4784, 0.5922
CMYK	0.00, 0.39, 0.53, 0.14
HSL	15°, 61%, 63%
HSV	15°, 53%, 86%
XYZ	40.0996, 32.8346, 17.3209
YIQ	155.4080, 60.5650, 9.2130

Conversions

Conversions Part 2

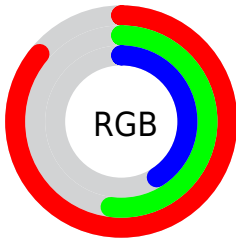
Format	Color
RYB	219, 143, 104
Decimal	14386536
CIELab	64.03, 30.06, 29.61
CIELCh	64, 42.195, 44.565
Yxy	32.8346, 0.4443, 0.3638
Android (android.graphics.Color)	4292576616 (0xFFDB8568)
YUV	155.4080, -25.3441, 55.7702
Hunter-Lab	57.3015, 24.6368, 22.1891

Details

The XYZ color **40.0996, 32.8346, 17.3209** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **36.9074, 44.8820, 73.7354**, and the grayscale version is **31.4275, 33.0641, 36.0069**.

A 20% lighter version of the original color is **65.0111, 59.2009, 39.4530**, and **18.2283, 13.7937, 5.4431** is the 20% darker color. If you saturate the color by 10%, you get **37.0584, 28.3072, 11.5135**, and if you desaturate by 10%, it is **43.7809, 38.1799, 24.7672**.

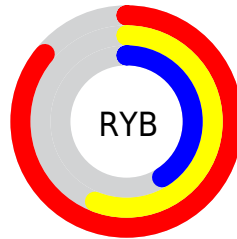
Distribution



Red (86%)

Green (52%)

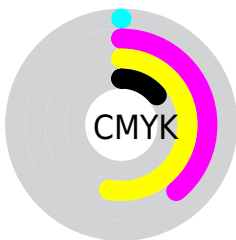
Blue (41%)



Red (86%)

Yellow (56%)

Blue (41%)

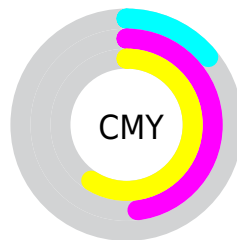


Cyan (0%)

Magenta (39%)

Yellow (53%)

Black (14%)



Cyan (14%)


Magenta (48%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0996, 32.8346, 17.3209 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 40.0996, 32.8346, 17.3209 by changing the saturation by 10% instead.


 40.0996, 32.8346,
17.3209


 40.0996, 32.8346,
17.3209


337.6704,
314.9038, 249.1212


 27.8008, 21.9998,
10.2992


 74.5985, 64.1172,
39.6749

 18.3152, 13.8567,
5.4896


 97.5293, 85.3338,
55.8442

 11.2776, 8.0211,
2.4736


 124.7349,
110.7797, 75.8998

 6.3225, 4.1084,
0.8261

 156.5804,
140.8394, 100.2603

 3.0847, 1.7344,
0.0000

193.4314,
175.8973, 129.3441

 1.1987, 0.4458,
0.0000

235.6532,

 0.1053, 0.0000,

216.3377, 163.5698

0.0000

283.6111,
262.5451, 203.3560

■ 0.0000, 0.0000,
0.0000

■ 40.0996, 32.8346,
17.3209

■ 40.0996, 32.8346,
17.3209

■ 37.0584, 28.3072,
11.5135

■ 43.7809, 38.1799,
24.7672

■ 34.6158, 24.5515,
7.2174

■ 48.1352, 44.3767,
33.9630

■ 32.7288, 21.5235,
4.2888

■ 53.1963, 51.4623,
45.0115

■ 31.3469, 19.1728,
2.5546

■ 58.9947, 59.4705,
58.0073

■ 30.5907, 17.8149,
1.8263

■ 65.5591, 68.4333,
73.0383

■ 72.9165, 78.3811,
90.1872

■ 80.7202, 89.1939,
107.5695

■ 83.0233, 93.8000,
108.3372

Harmonies

Analogous

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



43.6571, 32.8346, 28.1208



40.0996, 32.8346, 17.3209



34.3567, 32.8346, 12.5388

Triad

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



40.0996, 32.8346, 17.3209



21.4192, 32.8346, 27.7131



34.1780, 32.8346, 77.8203

Complementary

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



40.0996, 32.8346, 17.3209



36.9074, 44.8820, 73.7354

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.



28.2584, 32.8346, 77.6041



40.0996, 32.8346, 17.3209



21.3842, 32.8346, 44.6505

Square

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



40.0996, 32.8346, 17.3209



23.8418, 32.8346, 17.1047



23.7392, 32.8346, 64.0601



39.9545, 32.8346, 64.5808

Rectangle

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



40.0996, 32.8346, 17.3209



30.3056, 32.8346, 12.0099



23.7392, 32.8346, 64.0601



32.1288, 32.8346, 79.4269

Sweetspot

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



40.1004, 32.8363, 17.3215



80.1909, 79.7007, 74.9096



43.4853, 28.6895, 52.1042



16.7989, 16.5549, 15.2145



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.



40.1004, 32.8363, 17.3215



51.9219, 39.3660, 15.5340



50.1796, 52.9948, 20.6813



13.3216, 13.5825, 13.6451



18.2130, 10.7116, 1.1076



1.2486, 0.8313, 0.0947

Inverse Universe

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



36.9074, 44.8820, 73.7354



46.8704, 57.9550, 103.3238



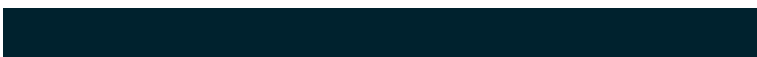
26.8486, 24.7645, 70.3824



13.1523, 14.2444, 16.7084



15.5197, 18.9088, 42.5702



1.0725, 1.3591, 2.7802

Previews

White Background



This preview shows how the XYZ color 40.0996, 32.8346, 17.3209 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 40.0996, 32.8346, 17.3209 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0996, 32.8346, 17.3209

Background



This preview shows how black text looks on a background with the XYZ color 40.0996, 32.8346, 17.3209.



This preview shows how white text looks on a background with the XYZ color 40.0996, 32.8346,

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

40.0996, 32.8346, 17.3209

Protanopia

30.6383, 32.8504, 20.3487

Deuteranopia

33.5899, 32.9993, 16.9110



Tritanopia

42.4308, 32.8029, 28.1400

Trichromacy



Original Color

40.0996, 32.8346, 17.3209

Protanomaly

33.4979, 32.4323, 19.2464

Deuteranomaly

35.7739, 32.7463, 17.0056

Tritanomaly

41.5673, 32.8438, 23.8873

Monochromacy



Original Color

40.0996, 32.8346, 17.3209

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.2377, 32.1100, 27.7386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0996, 32.8346, 17.3209 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(219, 133, 104)` looks like.

```
.text, #text, p{  
    color:rgb(219, 133, 104)  
}
```

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(219, 133, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 133, 104) }
```

Border

The CSS property to change the border of an element to XYZ 40.0996, 32.8346, 17.3209 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(219, 133, 104) }
```


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

```
.border{ border-color:rgb(219, 133, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 133, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 133, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 133, 104);  
box-shadow:4px 4px 4px 4px rgb(219, 133,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0996, 32.8346, 17.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 133, 104) }
```

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

```
.background{ background-color: rgb(219,  
133, 104) }
```

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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