

Converting Colors

XYZ(40.0205, 32.1324, 15.5991)

Have a look what the booklet for
XYZ(40.0205, 32.1324, 15.5991)
contains.

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Color

**XYZ(40.0060, 32.2193,
15.6657)**

Conversions

Conversions Part 1

Format	Color
Hex	DD8262
RGB	221, 130, 98
RGB Percent	87%, 51%, 38%
CMY	0.1333, 0.4902, 0.6157
CMYK	0.00, 0.41, 0.56, 0.13
HSL	16°, 64%, 63%
HSV	16°, 56%, 87%
XYZ	40.0060, 32.2193, 15.6657
YIQ	153.5610, 64.5080, 9.3400

Conversions

Conversions Part 2

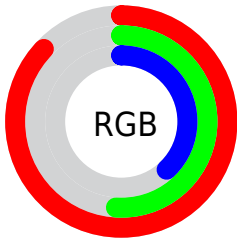
Format	Color
R_{YB}	221, 141, 98
Decimal	14516834
CIE _{Lab}	63.52, 31.94, 32.31
CIE _{LCh}	64, 45.431, 45.331
Yxy	32.2193, 0.4552, 0.3666
Android (android.graphics.Color)	4292706914 (0xFFDD8262)
YUV	153.5610, -27.3916, 59.1440
Hunter-Lab	56.7620, 26.4736, 23.3700

Details

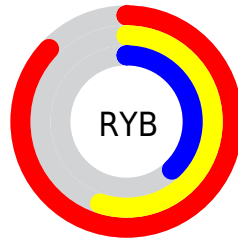
The XYZ color **40.0060, 32.2193, 15.6657** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **36.2845, 44.2098, 75.0271**, and the grayscale version is **30.6200, 32.2147, 35.0818**.

A 20% lighter version of the original color is **63.8053, 57.7109, 36.2102**, and **18.2938, 13.5124, 4.7759** is the 20% darker color. If you saturate the color by 10%, you get **37.0984, 27.8499, 10.2398**, and if you desaturate by 10%, it is **43.5488, 37.3983, 22.7249**.

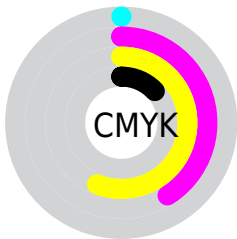
Distribution



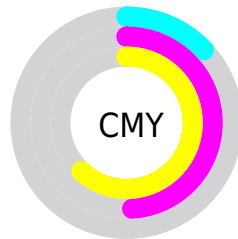
- Red (87%)
- Green (51%)
- Blue (38%)



- Red (87%)
- Yellow (55%)
- Blue (38%)



- Cyan (0%)
- Magenta (41%)
- Yellow (56%)
- Black (13%)





- Cyan (13%)
- Magenta (49%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0060, 32.2193, 15.6657 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 40.0060, 32.2193, 15.6657 by changing the saturation by 10% instead.


 40.0060, 32.2193,
15.6657


 40.0060, 32.2193,
15.6657

337.2828,
312.1170, 239.1389


 27.7275, 21.5291,
9.1361


 74.4569, 63.1547,
36.7755


 18.2597, 13.5113,
4.7321


 97.3600, 84.1687,
52.1929

 11.2374, 7.7815,
2.0349


 124.5354,
109.3927, 71.4099

 6.2952, 3.9555,
0.5766

 156.3483,
139.2111, 94.8451

 3.0678, 1.6487,
0.0000

193.1641,
174.0084, 122.9171

 1.1897, 0.3901,
0.0000

235.3483,

 0.0982, 0.0000,

214.1689, 156.0443

0.0000

283.2660,
260.0769, 194.6454

■ 0.0000, 0.0000,
0.0000

■ 40.0060, 32.2193,
15.6657

■ 40.0060, 32.2193,
15.6657

■ 37.0984, 27.8499,
10.2398

■ 43.5488, 37.3983,
22.7249

■ 34.7830, 24.2430,
6.3117

■ 47.7611, 43.4209,
31.5343

■ 33.0146, 21.3534,
3.7269

■ 52.6777, 50.3254,
42.2021

■ 31.7391, 19.1290,
2.2951

■ 58.3300, 58.1458,
54.8272

■ 31.3069, 18.3486,
1.8916

■ 64.7474, 66.9145,
69.5015

■ 71.9577, 76.6623,
86.3109

■ 79.9874, 87.4185,
105.3366

■ 83.6286, 94.1120,
108.3655

Harmonies

Analogous

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



43.9317, 32.2193, 26.6451



40.0060, 32.2193, 15.6657



33.8115, 32.2193, 11.0039

Triad

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



40.0060, 32.2193, 15.6657



20.2897, 32.2193, 26.9709



33.9571, 32.2193, 80.6050

Complementary

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



40.0060, 32.2193, 15.6657



36.2845, 44.2098, 75.0271

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.



27.6424, 32.2193, 80.7870



40.0060, 32.2193, 15.6657



20.3174, 32.2193, 45.1332

Square

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



40.0060, 32.2193, 15.6657



22.7543, 32.2193, 15.8330



22.8362, 32.2193, 66.1858



40.1252, 32.2193, 65.7511

Rectangle

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



40.0060, 32.2193, 15.6657



29.5059, 32.2193, 10.5551



22.8362, 32.2193, 66.1858



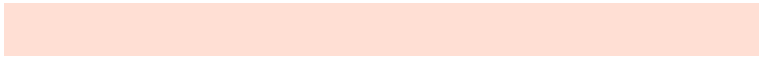
31.7689, 32.2193, 82.5182

Sweetspot

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



40.0068, 32.2210, 15.6663



79.4486, 78.7338, 73.0659



43.5080, 27.8363, 51.9383



16.6551, 16.3695, 14.8522



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.



40.0068, 32.2210, 15.6663



50.6447, 37.4996, 12.9872



50.4909, 53.1892, 19.1610



13.3301, 13.5996, 13.6480



18.2652, 10.8159, 1.1250



1.2530, 0.8401, 0.0961

Inverse Universe

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



36.2845, 44.2098, 75.0271



44.9005, 55.4736, 102.9487



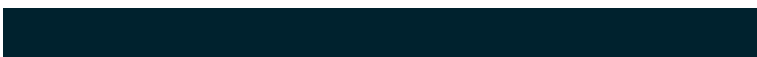
25.9057, 23.4521, 71.5675



13.1432, 14.2262, 16.7053



15.3373, 18.5440, 42.5094



1.0620, 1.3380, 2.7767

Previews

White Background



This preview shows how the XYZ color 40.0060, 32.2193, 15.6657 looks on a white background.

Color Contrast Check

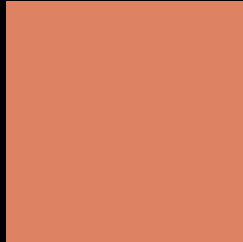
Large Text (above 18pt) WCAG AA × Fail

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 40.0060, 32.2193, 15.6657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

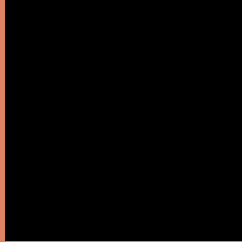
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0060, 32.2193, 15.6657

Background



This preview shows how black text looks on a background with the XYZ color 40.0060, 32.2193, 15.6657.



This preview shows how white text looks on a background with the XYZ color 40.0060, 32.2193,

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

40.0060, 32.2193, 15.6657

Protanopia

30.1987, 32.4094, 18.8514

Deuteranopia

32.9928, 32.2585, 15.3141



Tritanopia

42.3772, 32.2358, 26.5429

Trichromacy



Original Color

40.0060, 32.2193, 15.6657

Protanomaly

33.1176, 31.8151, 17.4921

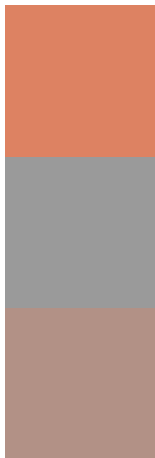
Deuteranomaly

35.1894, 32.0364, 15.3953

Tritanomaly

41.4720, 32.2472, 22.1277

Monochromacy



Original Color

40.0060, 32.2193, 15.6657

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.7886, 31.4370, 26.8941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0060, 32.2193, 15.6657 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(221, 130, 98)` looks like.

```
.text, #text, p{  
    color:rgb(221, 130, 98)  
}
```

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(221, 130, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 130, 98) }
```

Border

The CSS property to change the border of an element to XYZ 40.0060, 32.2193, 15.6657 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(221, 130, 98) }
```


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

```
.border{ border-color:rgb(221, 130, 98) }
```

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

Here you see how a box with a 4 pixel rgb(221, 130, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 130, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 130, 98);  
box-shadow:4px 4px 4px 4px rgb(221, 130,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0060, 32.2193, 15.6657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 130, 98) }
```

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

```
.background{ background-color: rgb(221,  
130, 98) }
```

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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