

Converting Colors

XYZ(40.9604, 32.4951, 4.1133)

Have a look what the booklet for
XYZ(40.9604, 32.4951, 4.1133)
contains.

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Color

**XYZ(40.9979, 32.5941,
4.1305)**

Conversions

Conversions Part 1

Format	Color
Hex	E88000
RGB	232, 128, 0
RGB Percent	91%, 50%, 0%
CMY	0.0902, 0.4980, 1.0000
CMYK	0.00, 0.45, 1.00, 0.09
HSL	33°, 100%, 45%
HSV	33°, 100%, 91%
XYZ	40.9979, 32.5941, 4.1305
YIQ	144.5040, 103.0720, -17.7600

Conversions

Conversions Part 2

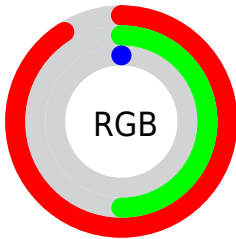
Format	Color
R_{YB}	189, 232, 0
Decimal	15237120
CIE Lab	63.83, 33.69, 70.44
CIE LCh	64, 78.079, 64.441
Yxy	32.5941, 0.5275, 0.4194
Android (android.graphics.Color)	4293427200 (0xFFE88000)
YUV	144.5040, -71.2405, 76.7340
Hunter-Lab	57.0912, 28.2733, 35.6743

Details

The XYZ color **40.9979, 32.5941, 4.1305** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **19.5162, 15.7275, 78.3505**, and the grayscale version is **26.9641, 28.3683, 30.8931**.

A 20% lighter version of the original color is **59.1053, 55.1708, 13.4951**, and **19.0161, 13.7428, 1.6504** is the 20% darker color. If you saturate the color by 10%, you get **40.9979, 32.5946, 4.1306**, and if you desaturate by 10%, it is **42.5822, 35.5123, 5.4319**.

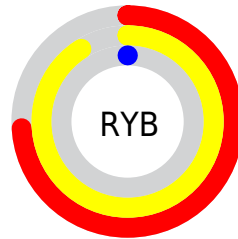
Distribution



Red (91%)

Green (50%)

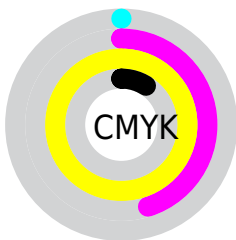
Blue (0%)



Red (74%)

Yellow (91%)

Blue (0%)

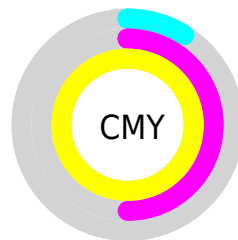


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9979, 32.5941, 4.1305 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 40.9979, 32.5941, 4.1305 by changing the saturation by 10% instead.


 40.9979, 32.5941,
4.1305


 40.9979, 32.5941,
4.1305

341.3746,
313.8167, 149.6650

 28.5051, 21.8157,
1.6972


 75.9554, 63.7413,
14.3096


 18.8492, 13.7215,
0.3588


 99.1509, 84.8789,
22.8925

 11.6647, 7.9272,
0.0000


 126.6446,
110.2383, 34.3624

 6.5864, 4.0484,
0.0000

 158.8019,
140.2039, 49.1378

 3.2488, 1.7007,
0.0000

 195.9882,
175.1602, 67.6372


 1.2867, 0.4241,
0.0000


 238.5689,


 0.1732, 0.0000,


215.4915, 90.2792


0.0000


 286.9092,
261.5822, 117.4823


 0.0000, 0.0000,
0.0000


 40.9979, 32.5941,
4.1305


 40.9979, 32.5941,
4.1305


 40.9979, 32.5946,
4.1306

 42.5822, 35.5123,
5.4319

 44.4966, 38.7899,
7.7694

 46.8053, 42.4602,
11.4588

 49.5468, 46.5445,
16.6845

 52.7538, 51.0616,
23.6016

■ 56.4554, 56.0286,
32.3458

■ 60.6778, 61.4613,
43.0391

■ 65.4452, 67.3746,
55.7926

■ 70.7799, 73.7824,
70.7093

Harmonies

Analogous

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



51.8293, 32.5941, 11.1184



40.9979, 32.5941, 4.1305



29.3752, 32.5941, 2.9098

Triad

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



40.9979, 32.5941, 4.1305



14.3522, 32.5941, 40.3747



44.5027, 32.5941, 112.2348

Complementary

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



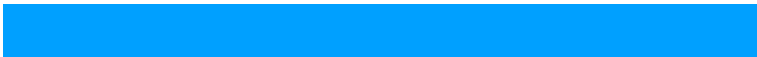
40.9979, 32.5941, 4.1305



19.5162, 15.7275, 78.3505

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.



32.6416, 32.5941, 136.1801



40.9979, 32.5941, 4.1305



16.6394, 32.5941, 81.7778

Square

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



40.9979, 32.5941, 4.1305



15.5835, 32.5941, 15.2893



22.7429, 32.5941, 122.6158



54.1649, 32.5941, 68.4441

Rectangle

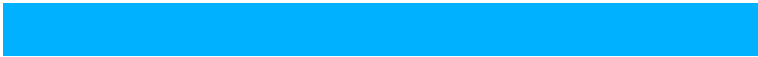
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.9979, 32.5941, 4.1305



23.0477, 32.5941, 4.0130



22.7429, 32.5941, 122.6158



40.5502, 32.5941, 123.7572

Sweetspot

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



40.9986, 32.5959, 4.1311



75.1055, 76.0532, 53.1044



35.7979, 18.1637, 14.8241



15.5847, 15.6533, 10.1031



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.



40.9986, 32.5959, 4.1311



50.7196, 40.2192, 5.0899



58.4929, 72.9910, 11.0061



15.0329, 15.6798, 15.1386



22.8882, 18.3506, 2.3357



1.7838, 1.5409, 0.2034

Inverse Universe

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



19.5162, 15.7275, 78.3505



24.1021, 19.3241, 97.0674



14.7117, 5.9018, 76.7072



14.1121, 14.9456, 18.2853



10.9560, 8.9740, 43.5379



0.9012, 0.8463, 3.2478

Previews

White Background



This preview shows how the XYZ color 40.9979, 32.5941, 4.1305 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 40.9979, 32.5941, 4.1305 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 40.9979, 32.5941, 4.1305

Background



This preview shows how black text looks on a background with the XYZ color 40.9979, 32.5941, 4.1305.



This preview shows how white text looks on a background with the XYZ color 40.9979, 32.5941,

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

40.9979, 32.5941, 4.1305

Protanopia

29.6852, 32.9379, 5.4092

Deuteranopia

33.1987, 32.6032, 4.5433



Tritanopia

45.0197, 32.5588, 23.9904

Trichromacy



Original Color

40.9979, 32.5941, 4.1305

Protanomaly

33.1102, 32.3201, 4.8411

Deuteranomaly

35.6726, 32.3115, 4.3566

Tritanomaly

42.7057, 32.1753, 11.7442

Monochromacy



Original Color

40.9979, 32.5941, 4.1305

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

29.2958, 28.5851, 14.0986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9979, 32.5941, 4.1305 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(232, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 128, 0)  
}
```

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(232, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 128, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.9979, 32.5941, 4.1305 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(232, 128, 0) }
```


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

```
.border{ border-color:rgb(232, 128, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 128,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9979, 32.5941, 4.1305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 128, 0) }
```

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

```
.background{ background-color: rgb(232,  
128, 0) }
```

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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