

Converting Colors

XYZ(41.9122, 32.7419, 4.7706)

Have a look what the booklet for
XYZ(41.9122, 32.7419, 4.7706)
contains.

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Color

**XYZ(41.8481, 32.6344,
4.7553)**

Conversions

Conversions Part 1

Format	Color
Hex	EB7E14
RGB	235, 126, 20
RGB Percent	92%, 49%, 8%
CMY	0.0784, 0.5059, 0.9215
CMYK	0.00, 0.46, 0.91, 0.08
HSL	30°, 84%, 50%
HSV	30°, 91%, 92%
XYZ	41.8481, 32.6344, 4.7553
YIQ	146.5070, 98.9900, -9.8580

Conversions

Conversions Part 2

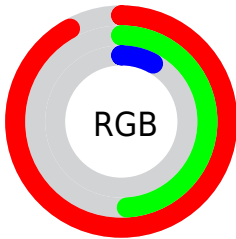
Format	Color
R_{YB}	235, 229, 20
Decimal	15433236
CIE _{Lab}	63.86, 36.14, 67.26
CIE _{LCh}	64, 76.357, 61.753
Yxy	32.6344, 0.5281, 0.4119
Android (android.graphics.Color)	4293623316 (0xFFEB7E14)
YUV	146.5070, -62.3680, 77.6084
Hunter-Lab	57.1265, 30.7890, 35.0532

Details

The XYZ color **41.8481, 32.6344, 4.7553** 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 **23.1340, 21.8470, 81.5943**, and the grayscale version is **27.7513, 29.1966, 31.7951**.

A 20% lighter version of the original color is **58.9725, 54.4670, 14.8021**, and **19.5293, 13.8028, 1.6349** is the 20% darker color. If you saturate the color by 10%, you get **40.4905, 30.1217, 3.6800**, and if you desaturate by 10%, it is **43.7832, 35.9944, 6.9745**.

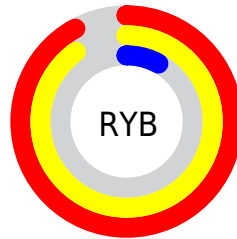
Distribution



Red (92%)

Green (49%)

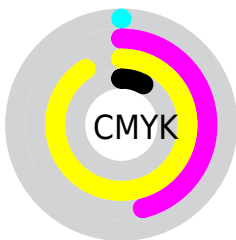
Blue (8%)



Red (92%)

Yellow (90%)

Blue (8%)

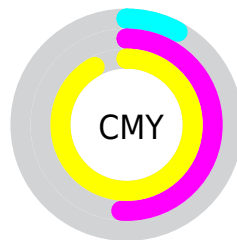


Cyan (0%)

Magenta (46%)

Yellow (91%)

Black (8%)



Cyan (8%)


Magenta (51%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8481, 32.6344, 4.7553 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 41.8481, 32.6344, 4.7553 by changing the saturation by 10% instead.


 41.8481, 32.6344,
4.7553


 41.8481, 32.6344,
4.7553


344.8552,
313.9991, 156.2832

 29.1730, 21.8465,
2.0482


 77.2363, 63.8043,
15.7173


 19.3566, 13.7442,
0.5847


 100.6800, 84.9551,
24.8093

 12.0338, 7.9429,
0.0000


 128.4440,
110.3291, 36.8667

 6.8391, 4.0585,
0.0000

 160.8936,
140.3105, 52.3080

 3.4071, 1.7063,
0.0000

 198.3942,
175.2838, 71.5517

 1.3725, 0.4277,
0.0000

 241.3111,


 0.2365, 0.0000,


215.6334, 95.0165


0.0000


 290.0096,
261.7437, 123.1208


 0.0000, 0.0000,
0.0000


 41.8481, 32.6344,
4.7553


 41.8481, 32.6344,
4.7553


 40.4905, 30.1217,
3.6800

 43.7832, 35.9944,
6.9745

 46.1539, 39.8272,
10.5661

 49.0037, 44.1607,
15.7274

 52.3690, 49.0184,
22.6229

 56.2819, 54.4216,
31.3958

60.7715, 60.3900,
42.1745

65.8647, 66.9422,
55.0758

71.5863, 74.0957,
70.2074

77.9597, 81.8674,
87.6696

Harmonies

Analogous

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



52.0878, 32.6344, 12.6198



41.8481, 32.6344, 4.7553



30.3909, 32.6344, 3.1466

Triad

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



41.8481, 32.6344, 4.7553



14.6231, 32.6344, 37.3725



43.1976, 32.6344, 113.2262

Complementary

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



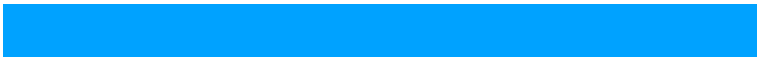
41.8481, 32.6344, 4.7553



23.1340, 21.8470, 81.5943

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.



31.6537, 32.6344, 133.4195



41.8481, 32.6344, 4.7553



16.5690, 32.6344, 76.6038

Square

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



41.8481, 32.6344, 4.7553



16.1568, 32.6344, 14.2566



22.2389, 32.6344, 117.1873



52.9850, 32.6344, 71.4949

Rectangle

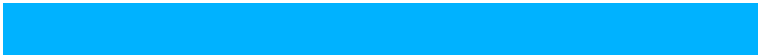
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.8481, 32.6344, 4.7553



23.9801, 32.6344, 4.0526



22.2389, 32.6344, 117.1873



39.3136, 32.6344, 123.5701

Sweetspot

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



41.8488, 32.6362, 4.7559



75.7373, 76.0484, 57.2250



38.6135, 19.8036, 23.2907



15.7737, 15.7108, 11.1538



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.



41.8488, 32.6362, 4.7559



48.6659, 36.1118, 4.4053



63.0795, 75.0976, 11.8328



15.6788, 16.2806, 15.8348



22.6623, 17.0188, 2.0905



1.8757, 1.5286, 0.1962

Inverse Universe

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



23.1340, 21.8470, 81.5943



25.9364, 22.9928, 97.6788



15.6022, 6.7834, 79.0837



14.8624, 15.8113, 19.1908



12.1541, 10.9553, 45.2169



1.0507, 1.0528, 3.5827

Previews

White Background



This preview shows how the XYZ color 41.8481, 32.6344, 4.7553 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 41.8481, 32.6344, 4.7553 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 41.8481, 32.6344, 4.7553

Background



This preview shows how black text looks on a background with the XYZ color 41.8481, 32.6344, 4.7553.



This preview shows how white text looks on a background with the XYZ color 41.8481, 32.6344,

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

41.8481, 32.6344, 4.7553

Protanopia

29.7894, 32.9796, 5.9580

Tritanopia

45.7238, 32.5797, 23.6173

Trichromacy



Original Color

41.8481, 32.6344, 4.7553

Protanomaly

33.3378, 32.1957, 5.4346

Tritanomaly

43.6967, 32.2982, 12.9479

Monochromacy



Original Color

41.8481, 32.6344, 4.7553

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.1720, 28.9885, 16.3170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8481, 32.6344, 4.7553 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(235, 126, 20)` looks like.

```
.text, #text, p{  
    color:rgb(235, 126, 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(235, 126, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 126, 20) }
```

Border

The CSS property to change the border of an element to XYZ 41.8481, 32.6344, 4.7553 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(235, 126, 20) }
```

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

```
.border{ border-color:rgb(235, 126, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 126, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 126, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 126, 20);  
box-shadow:4px 4px 4px 4px rgb(235, 126,  
20) }
```


Background

The CSS property to change the background color of an element to XYZ 41.8481, 32.6344, 4.7553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 126, 20) }
```

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

```
.background{ background-color: rgb(235,  
126, 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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