

Converting Colors

XYZ(41.0878, 32.1978, 5.0611)

Have a look what the booklet for
XYZ(41.0878, 32.1978, 5.0611)
contains.

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Color

**XYZ(41.2630, 32.3245,
5.1014)**

Conversions

Conversions Part 1

Format	Color
Hex	E97E1B
RGB	233, 126, 27
RGB Percent	91%, 49%, 11%
CMY	0.0863, 0.5059, 0.8941
CMYK	0.00, 0.46, 0.88, 0.09
HSL	29°, 82%, 51%
HSV	29°, 88%, 91%
XYZ	41.2630, 32.3245, 5.1014
YIQ	146.7070, 95.5510, -8.1050

Conversions

Conversions Part 2

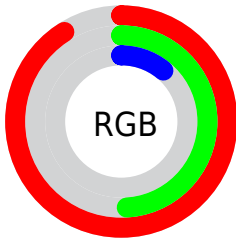
Format	Color
R_{YB}	233, 218, 27
Decimal	15302171
CIE _{Lab}	63.61, 35.45, 65.16
CIE _{LCh}	64, 74.177, 61.451
Yxy	32.3245, 0.5244, 0.4108
Android (android.graphics.Color)	4293492251 (0xFFE97E1B)
YUV	146.7070, -59.0156, 75.6790
Hunter-Lab	56.8546, 30.0531, 34.4783

Details

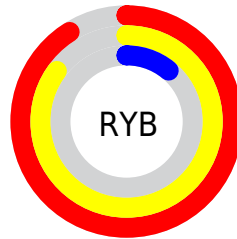
The XYZ color **41.2630, 32.3245, 5.1014** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **23.6847, 23.1656, 80.3134**, and the grayscale version is **27.8216, 29.2705, 31.8756**.

A 20% lighter version of the original color is **59.1226, 54.5270, 15.5923**, and **19.0936, 13.5782, 1.6145** is the 20% darker color. If you saturate the color by 10%, you get **39.6310, 29.3449, 3.6818**, and if you desaturate by 10%, it is **43.2905, 35.7647, 7.6738**.

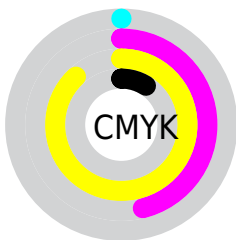
Distribution



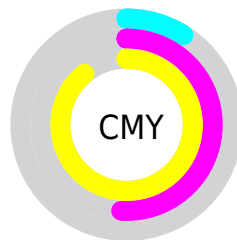
- Red (91%)
- Green (49%)
- Blue (11%)



- Red (91%)
- Yellow (85%)
- Blue (11%)



- Cyan (0%)
- Magenta (46%)
- Yellow (88%)
- Black (9%)





- Cyan (9%)
- Magenta (51%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2630, 32.3245, 5.1014 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 41.2630, 32.3245, 5.1014 by changing the saturation by 10% instead.


 41.2630, 32.3245,
5.1014


 41.2630, 32.3245,
5.1014


342.4625,
312.5948, 159.7771


 28.7132, 21.6095,
2.2471


 76.3552, 63.3195,
16.4794


 19.0072, 13.5702,
0.7014


 99.6283, 84.3682,
25.8401

 11.7795, 7.8224,
0.0000


 127.2065,
109.6303, 38.2067

 6.6648, 3.9815,
0.0000

 159.4553,
139.4901, 53.9978

 3.2978, 1.6632,
0.0000

 196.7399,
174.3321, 73.6318

 1.3132, 0.3997,
0.0000

 239.4257,

 0.1930, 0.0000,

214.5406, 97.5273

0.0000

287.8781,
260.5000, 126.1029

■ 0.0000, 0.0000,
0.0000

■ 41.2630, 32.3245,
5.1014

■ 41.2630, 32.3245,
5.1014

■ 39.6310, 29.3449,
3.6818

■ 43.2905, 35.7647,
7.6738

■ 39.3961, 28.9077,
3.5033

■ 45.7668, 39.6927,
11.6583

■ 48.7328, 44.1358,
17.2366

■ 52.2229, 49.1171,
24.5626

■ 56.2682, 54.6578,
33.7719

■ 60.8967, 60.7777,
44.9862

■ 66.1345, 67.4953,
58.3174

■ 72.0058, 74.8284,
73.8685

■ 78.5334, 82.7936,
91.7361

Harmonies

Analogous

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



51.0477, 32.3245, 13.0290



41.2630, 32.3245, 5.1014



30.2216, 32.3245, 3.4203

Triad

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



41.2630, 32.3245, 5.1014



14.7998, 32.3245, 36.6608



42.3360, 32.3245, 109.7650

Complementary

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



41.2630, 32.3245, 5.1014



23.6847, 23.1656, 80.3134

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.



31.2308, 32.3245, 128.6063



41.2630, 32.3245, 5.1014



16.6681, 32.3245, 74.1534

Square

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



41.2630, 32.3245, 5.1014



16.3347, 32.3245, 14.3624



22.1513, 32.3245, 112.8786



51.7588, 32.3245, 70.1155

Rectangle

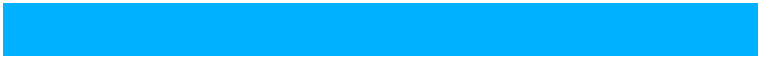
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.2630, 32.3245, 5.1014



23.9978, 32.3245, 4.3212



22.1513, 32.3245, 112.8786



38.6011, 32.3245, 119.4965

Sweetspot

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



41.2637, 32.3262, 5.1020



75.5130, 75.5998, 57.1503



38.5020, 19.9100, 25.4313



15.7210, 15.6056, 11.1363



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.



41.2637, 32.3262, 5.1020



48.2678, 35.3157, 4.2726



61.0344, 71.8677, 11.6922



15.6628, 16.2486, 15.8295



22.4771, 16.6484, 2.0288



1.8609, 1.4990, 0.1913

Inverse Universe

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



23.6847, 23.1656, 80.3134



26.3618, 23.8436, 97.8206



15.7284, 7.2530, 77.6612



14.8784, 15.8433, 19.1961



12.3515, 11.3501, 45.2828



1.0662, 1.0838, 3.5879

Previews

White Background



This preview shows how the XYZ color 41.2630, 32.3245, 5.1014 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 41.2630, 32.3245, 5.1014 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 41.2630, 32.3245, 5.1014

Background



This preview shows how black text looks on a background with the XYZ color 41.2630, 32.3245, 5.1014.



This preview shows how white text looks on a background with the XYZ color 41.2630, 32.3245,

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

41.2630, 32.3245, 5.1014

Protanopia

29.4803, 32.5627, 6.3216

Deuteranopia

32.7846, 32.1599, 4.4795



Tritanopia

45.0522, 32.2335, 23.5858

Trichromacy



Original Color

41.2630, 32.3245, 5.1014

Protanomaly

32.7396, 31.6529, 5.7506

Deuteranomaly

35.5819, 32.0425, 4.5966

Tritanomaly

43.1540, 32.0040, 13.5758

Monochromacy



Original Color

41.2630, 32.3245, 5.1014

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

30.0409, 28.9095, 16.8287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2630, 32.3245, 5.1014 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(233, 126, 27)` looks like.

```
.text, #text, p{  
    color:rgb(233, 126, 27)  
}
```

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(233, 126, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 126, 27) }
```

Border

The CSS property to change the border of an element to XYZ 41.2630, 32.3245, 5.1014 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(233, 126, 27) }
```


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

```
.border{ border-color:rgb(233, 126, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 126, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 126, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 126, 27);  
box-shadow:4px 4px 4px 4px rgb(233, 126,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2630, 32.3245, 5.1014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 126, 27) }
```

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

```
.background{ background-color: rgb(233,  
126, 27) }
```

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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