

Converting Colors

XYZ(39.9980, 22.5997, 2.2540)

Have a look what the booklet for
XYZ(39.9980, 22.5997, 2.2540)
contains.

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Color

**XYZ(40.0306, 22.5948,
2.2514)**

Conversions

Conversions Part 1

Format	Color
Hex	F83600
RGB	248, 54, 0
RGB Percent	97%, 21%, 0%
CMY	0.0275, 0.7882, 1.0000
CMYK	0.00, 0.78, 1.00, 0.03
HSL	13°, 100%, 49%
HSV	13°, 100%, 97%
XYZ	40.0306, 22.5948, 2.2514
YIQ	105.8500, 132.9580, 24.3340

Conversions

Conversions Part 2

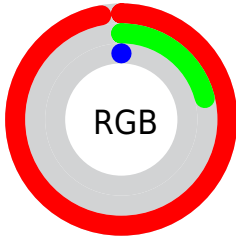
Format	Color
R_{YB}	248, 69, 0
Decimal	16266752
CIE Lab	54.65, 70.25, 66.92
CIE LCh	55, 97.025, 43.608
Yxy	22.5948, 0.6170, 0.3483
Android (android.graphics.Color)	4294456832 (0xFFFF83600)
YUV	105.8500, -52.1840, 124.6656
Hunter-Lab	47.5340, 67.1387, 30.4656

Details

The XYZ color **40.0306, 22.5948, 2.2514** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **36.2318, 45.3545, 95.6510**, and the grayscale version is **13.7735, 14.4908, 15.7804**.

A 20% lighter version of the original color is **48.4436, 34.3195, 8.4859**, and **19.0561, 9.8238, 0.8918** is the 20% darker color. If you saturate the color by 10%, you get **40.0309, 22.5960, 2.2516**, and if you desaturate by 10%, it is **41.2944, 24.8455, 3.5278**.

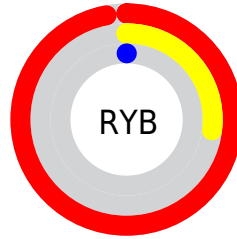
Distribution



Red (97%)

Green (21%)

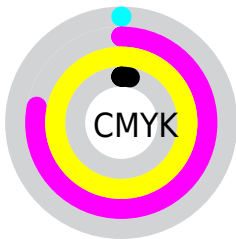
Blue (0%)



Red (97%)

Yellow (27%)

Blue (0%)

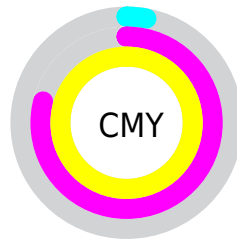


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (79%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0306, 22.5948, 2.2514 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 40.0306, 22.5948, 2.2514 by changing the saturation by 10% instead.


 40.0306, 22.5948,
2.2514


 40.0306, 22.5948,
2.2514


337.3847,
265.6369, 126.1659

 27.7467, 14.2946,
0.7038


 74.4942, 47.7271,
9.7174

 18.2743, 8.3258,
0.0000


 97.4045, 65.3280,
16.4956


 11.2480, 4.3042,
0.0000


 124.5878, 86.7980,
25.8620

 6.3024, 1.8451,
0.0000

 156.4093,
112.5213, 38.2351

 3.0722, 0.5151,
0.0000

 193.2344,
142.8825, 54.0335


 1.1921, 0.0000,
0.0000

 235.4284,


 0.1001, 0.0000,


178.2659, 73.6758


0.0000


 283.3567,
219.0559, 97.5804


 0.0000, 0.0000,
0.0000


 40.0306, 22.5948,
2.2514


 40.0306, 22.5948,
2.2514

 40.0309, 22.5960,
2.2516

 41.2944, 24.8455,
3.5278

 43.1763, 27.9792,
6.0978

 45.7784, 32.0914,
10.3314

 49.1715, 37.2582,
16.4552

 53.4175, 43.5478,
24.6598

■ 58.5715, 51.0225,
35.1125

■ 64.6839, 59.7398,
47.9633

■ 71.8014, 69.7535,
63.3493

■ 79.9673, 81.1142,
81.3971

Harmonies

Analogous

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



48.2412, 22.5948, 13.2008



40.0306, 22.5948, 2.2514



27.8048, 22.5948, 0.0802

Triad

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



40.0306, 22.5948, 2.2514



7.1893, 22.5948, 11.4617



26.6762, 22.5948, 137.3822

Complementary

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



40.0306, 22.5948, 2.2514



36.2318, 45.3545, 95.6510

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.



16.1882, 22.5948, 135.0688



40.0306, 22.5948, 2.2514



7.0655, 22.5948, 41.1869

Square

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



40.0306, 22.5948, 2.2514



10.2013, 22.5948, 1.8657



9.7781, 22.5948, 91.5013



38.9721, 22.5948, 96.4350

Rectangle

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



40.0306, 22.5948, 2.2514



20.2096, 22.5948, 0.0000



9.7781, 22.5948, 91.5013



22.7935, 22.5948, 142.2665

Sweetspot

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



40.0311, 22.5962, 2.2517



68.8775, 63.5972, 51.0284



48.4787, 23.8634, 53.2471



14.1272, 12.7383, 9.6172



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.



40.0311, 22.5962, 2.2517



42.6319, 24.0439, 2.3940



54.5786, 51.6912, 7.1009



17.5511, 17.8380, 17.9804



21.7083, 12.3732, 1.2441



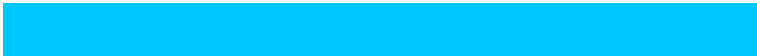
2.0850, 1.2948, 0.1400

Inverse Universe

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



36.2318, 45.3545, 95.6510



38.5797, 48.2793, 101.8932



19.1502, 11.1913, 89.9571



17.4263, 18.9293, 22.1206



19.6802, 24.7160, 51.7070



1.8994, 2.4424, 4.8145

Previews

White Background



This preview shows how the XYZ color 40.0306, 22.5948, 2.2514 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 40.0306, 22.5948, 2.2514 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 × Fail

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

XYZ 40.0306, 22.5948, 2.2514

Background



This preview shows how black text looks on a background with the XYZ color 40.0306, 22.5948, 2.2514.



This preview shows how white text looks on a background with the XYZ color 40.0306, 22.5948,

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

40.0306, 22.5948, 2.2514

Protanopia

20.6858, 22.8871, 4.4898

Deuteranopia

22.8507, 22.6666, 3.1707



Tritanopia

40.8483, 22.7464, 5.3695

Trichromacy



Original Color

40.0306, 22.5948, 2.2514

Protanomaly

24.8267, 20.1346, 3.1501

Deuteranomaly

26.9675, 20.5258, 2.5405

Tritanomaly

40.5556, 22.7000, 3.6105

Monochromacy



Original Color

40.0306, 22.5948, 2.2514

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.5219, 14.4907, 7.1310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0306, 22.5948, 2.2514 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(248, 54, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 54, 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(248, 54, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 54, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.0306, 22.5948, 2.2514 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(248, 54, 0) }
```


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

```
.border{ border-color:rgb(248, 54, 0) }
```

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

Here you see how a box with a 4 pixel rgb(248, 54, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 54, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 54, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 54, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.0306, 22.5948, 2.2514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 54, 0) }
```

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

```
.background{ background-color: rgb(248, 54,  
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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