

Converting Colors

XYZ(42.3483, 26.6499, 3.0842)

Have a look what the booklet for
XYZ(42.3483, 26.6499, 3.0842)
contains.

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Color

**XYZ(42.3483, 26.6499,
3.0842)**

Conversions

Conversions Part 1

Format	Color
Hex	F95506
RGB	249, 85, 6
RGB Percent	98%, 33%, 2%
CMY	0.0235, 0.6666, 0.9765
CMYK	0.00, 0.66, 0.98, 0.02
HSL	20°, 95%, 50%
HSV	20°, 98%, 98%
XYZ	42.3483, 26.6499, 3.0842
YIQ	125.0300, 123.1030, 10.1990

Conversions

Conversions Part 2

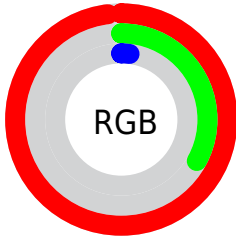
Format	Color
R_{YB}	249, 123, 6
Decimal	16340230
CIE _{Lab}	58.65, 60.13, 67.74
CIE _{LCh}	59, 90.574, 48.407
Yxy	26.6499, 0.5875, 0.3697
Android (android.graphics.Color)	4294530310 (0xFFFF95506)
YUV	125.0300, -58.6818, 108.7217
Hunter-Lab	51.6235, 56.0876, 32.5943

Details

The XYZ color **42.3483, 26.6499, 3.0842** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **31.5470, 35.6245, 94.8353**, and the grayscale version is **19.6670, 20.6913, 22.5328**.

A 20% lighter version of the original color is **51.8083, 40.7271, 10.5994**, and **19.7289, 10.4682, 0.9807** is the 20% darker color. If you saturate the color by 10%, you get **42.0060, 26.0184, 2.8081**, and if you desaturate by 10%, it is **44.0459, 29.7044, 4.7017**.

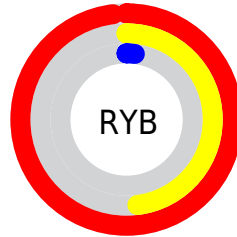
Distribution



Red (98%)

Green (33%)

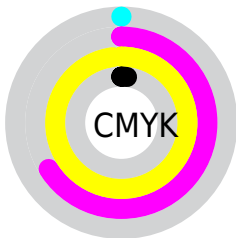
Blue (2%)



Red (98%)

Yellow (48%)

Blue (2%)

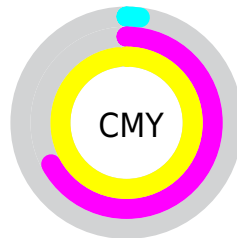


Cyan (0%)

Magenta (66%)

Yellow (98%)

Black (2%)



Cyan (2%)


Magenta (67%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3483, 26.6499, 3.0842 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 42.3483, 26.6499, 3.0842 by changing the saturation by 10% instead.


 42.3483, 26.6499,
3.0842


 42.3483, 26.6499,
3.0842

346.8919,
285.9580, 137.4259

 29.5664, 17.3105,
1.1378


 77.9884, 54.3216,
11.8355


 19.6562, 10.4561,
0.0000


 101.5772, 73.4226,
19.4775

 12.2522, 5.7024,
0.0000


 129.4992, 96.5462,
29.8551

 6.9891, 2.6650,
0.0000

 162.1195,
124.0769, 43.3868

 3.5015, 0.9594,
0.0000

 199.8036,
156.3990, 60.4912


 1.4242, 0.0000,
0.0000

 242.9167,


 0.2734, 0.0000,


193.8970, 81.5868


0.0000


 291.8244,
236.9552, 107.0922


 0.0000, 0.0000,
0.0000


 42.3483, 26.6499,
3.0842


 42.3483, 26.6499,
3.0842


 42.0060, 26.0184,
2.8081

 44.0459, 29.7044,
4.7017

 46.3272, 33.5263,
7.7457

 49.2638, 38.1754,
12.4985

 52.9126, 43.7021,
19.1743

 57.3234, 50.1522,
27.9556

62.5410, 57.5679,
39.0035

68.6064, 65.9887,
52.4631

75.5577, 75.4515,
68.4673

83.4305, 85.9915,
87.1393

Harmonies

Analogous

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



51.5296, 26.6499, 13.6531



42.3483, 26.6499, 3.0842



29.8761, 26.6499, 0.8664

Triad

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



42.3483, 26.6499, 3.0842



9.6227, 26.6499, 18.3655



32.7026, 26.6499, 134.5950

Complementary

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



42.3483, 26.6499, 3.0842



31.5470, 35.6245, 94.8353

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.



21.2700, 26.6499, 139.9053



42.3483, 26.6499, 3.0842



9.9721, 26.6499, 52.9787

Square

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



42.3483, 26.6499, 3.0842



12.4638, 26.6499, 4.3899



13.6184, 26.6499, 103.1769



44.9318, 26.6499, 91.6403

Rectangle

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



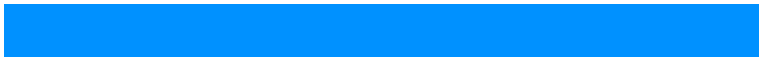
42.3483, 26.6499, 3.0842



22.3294, 26.6499, 0.8053



13.6184, 26.6499, 103.1769



28.5879, 26.6499, 141.5998

Sweetspot

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



42.3489, 26.6515, 3.0846



71.4395, 68.3059, 53.1621



46.5830, 23.2504, 41.0877



14.6939, 13.7937, 10.0463



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.



42.3489, 26.6515, 3.0846



44.3264, 27.4329, 2.9588



60.7995, 63.5527, 9.2348



17.7054, 18.1467, 18.0319



22.5996, 14.1559, 1.5412



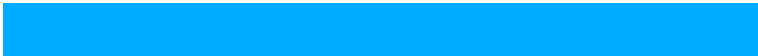
2.1852, 1.4952, 0.1734

Inverse Universe

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



31.5470, 35.6245, 94.8353



32.8195, 36.7590, 99.9732



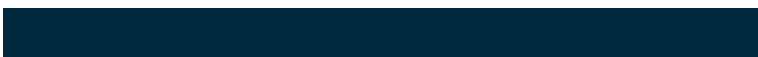
18.3383, 9.2070, 90.4324



17.2623, 18.6014, 22.0659



16.7869, 18.9294, 50.7425



1.6511, 1.9459, 4.7317

Previews

White Background



This preview shows how the XYZ color 42.3483, 26.6499, 3.0842 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 42.3483, 26.6499, 3.0842 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 42.3483, 26.6499, 3.0842

Background



This preview shows how black text looks on a background with the XYZ color 42.3483, 26.6499, 3.0842.



This preview shows how white text looks on a background with the XYZ color 42.3483, 26.6499,

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

42.3483, 26.6499, 3.0842

Protanopia

24.1689, 26.7961, 4.9352

Deuteranopia

26.8852, 26.5152, 3.7009



Tritanopia

44.1410, 26.7257, 11.0157

Trichromacy



Original Color

42.3483, 26.6499, 3.0842

Protanomaly

28.6931, 24.9282, 3.9154

Deuteranomaly

31.1582, 25.3325, 3.3049

Tritanomaly

43.0564, 26.4847, 6.4572

Monochromacy



Original Color

42.3483, 26.6499, 3.0842

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

23.6765, 20.3071, 10.6544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3483, 26.6499, 3.0842 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(249, 85, 6)` looks like.

```
.text, #text, p{  
    color:rgb(249, 85, 6)  
}
```

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(249, 85, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 85, 6) }
```

Border

The CSS property to change the border of an element to XYZ 42.3483, 26.6499, 3.0842 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(249, 85, 6) }
```


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

```
.border{ border-color:rgb(249, 85, 6) }
```

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

Here you see how a box with a 4 pixel rgb(249, 85, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 85, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 85, 6);  
box-shadow:4px 4px 4px 4px rgb(249, 85, 6)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.3483, 26.6499, 3.0842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 85, 6) }
```

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

```
.background{ background-color: rgb(249, 85,  
6) }
```

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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