

Converting Colors

XYZ(42.3668, 26.2089, 2.8258)

Have a look what the booklet for
XYZ(42.3668, 26.2089, 2.8258)
contains.

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Color

**XYZ(42.3668, 26.2089,
2.8258)**

Conversions

Conversions Part 1

Format	Color
Hex	FA5100
RGB	250, 81, 0
RGB Percent	98%, 32%, 0%
CMY	0.0196, 0.6823, 1.0000
CMYK	0.00, 0.68, 1.00, 0.02
HSL	19°, 100%, 49%
HSV	19°, 100%, 98%
XYZ	42.3668, 26.2089, 2.8258
YIQ	122.2970, 126.7250, 10.6370

Conversions

Conversions Part 2

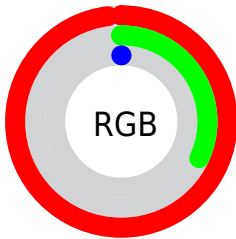
Format	Color
R_{YB}	250, 120, 0
Decimal	16404736
CIE _{Lab}	58.23, 61.97, 68.78
CIE _{LCh}	58, 92.575, 47.982
Yxy	26.2089, 0.5934, 0.3671
Android (android.graphics.Color)	4294594816 (0xFFFA5100)
YUV	122.2970, -60.2924, 111.9955
Hunter-Lab	51.1946, 58.1295, 32.5636

Details

The XYZ color **42.3668, 26.2089, 2.8258** 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 **31.4413, 35.2743, 95.5933**, and the grayscale version is **18.7596, 19.7366, 21.4932**.

A 20% lighter version of the original color is **51.2826, 39.8186, 9.9839**, and **19.8106, 10.2772, 0.9396** is the 20% darker color. If you saturate the color by 10%, you get **42.3672, 26.2102, 2.8261**, and if you desaturate by 10%, it is **43.9589, 29.1127, 4.2223**.

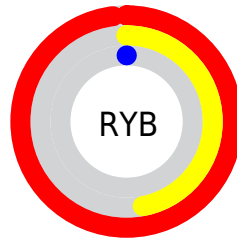
Distribution



Red (98%)

Green (32%)

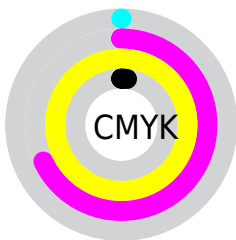
Blue (0%)



Red (98%)

Yellow (47%)

Blue (0%)

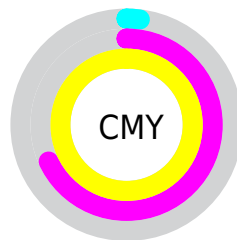


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (68%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3668, 26.2089, 2.8258 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 42.3668, 26.2089, 2.8258 by changing the saturation by 10% instead.


 42.3668, 26.2089,
2.8258


 42.3668, 26.2089,
2.8258

346.9670,
283.8061, 134.1101


 29.5810, 16.9800,
1.0064


 78.0161, 53.6118,
11.1955


 19.6672, 10.2202,
0.0000


 101.6104, 72.5545,
18.5828

 12.2602, 5.5452,
0.0000


 129.5381, 95.5040,
28.6632

 6.9946, 2.5706,
0.0000

 162.1647,
122.8446, 41.8552

 3.5050, 0.9119,
0.0000

 199.8556,
154.9607, 58.5774


 1.4261, 0.0000,
0.0000


 242.9760,


 0.2747, 0.0000,


192.2367, 79.2482


0.0000


 291.8914,
235.0570, 104.2863


 0.0000, 0.0000,
0.0000


 42.3668, 26.2089,
2.8258


 42.3668, 26.2089,
2.8258


 42.3672, 26.2102,
2.8261

 43.9589, 29.1127,
4.2223

 46.1089, 32.7723,
6.9134

 48.9059, 37.2555,
11.2705

 52.4099, 42.6149,
17.5204

 56.6725, 48.8979,
25.8541

61.7403, 56.1481,
36.4387

67.6556, 64.4061,
49.4244

74.4576, 73.7100,
64.9480

82.1828, 84.0959,
83.1363

Harmonies

Analogous

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



51.6542, 26.2089, 13.3714



42.3668, 26.2089, 2.8258



29.6893, 26.2089, 0.6893

Triad

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



42.3668, 26.2089, 2.8258



9.1831, 26.2089, 17.4882



32.1997, 26.2089, 137.2443

Complementary

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



42.3668, 26.2089, 2.8258



31.4413, 35.2743, 95.5933

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.



20.6746, 26.2089, 142.0507



42.3668, 26.2089, 2.8258



9.4857, 26.2089, 52.2400

Square

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



42.3668, 26.2089, 2.8258



12.0529, 26.2089, 3.9174



13.0601, 26.2089, 103.6895



44.6741, 26.2089, 93.2900

Rectangle

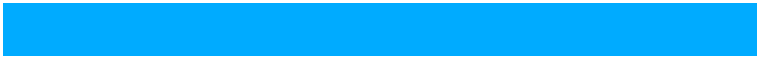
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.3668, 26.2089, 2.8258



22.0273, 26.2089, 0.6101



13.0601, 26.2089, 103.6895



28.0355, 26.2089, 144.2696

Sweetspot

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



42.3674, 26.2105, 2.8262



70.7505, 67.3430, 51.6527



46.7589, 23.2578, 40.4697



14.5611, 13.6060, 9.7618



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.



42.3674, 26.2105, 2.8262



44.3051, 27.3901, 2.9517



61.0565, 63.5888, 9.0559



17.7038, 18.1435, 18.0313



22.5885, 14.1336, 1.5375



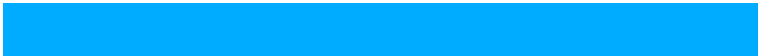
2.1840, 1.4928, 0.1730

Inverse Universe

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



31.4413, 35.2743, 95.5933



32.8730, 36.8659, 99.9910



18.2258, 8.8433, 91.1881



17.2640, 18.6048, 22.0665



16.8138, 18.9832, 50.7515



1.6535, 1.9506, 4.7325

Previews

White Background



This preview shows how the XYZ color 42.3668, 26.2089, 2.8258 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 42.3668, 26.2089, 2.8258 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 42.3668, 26.2089, 2.8258

Background



This preview shows how black text looks on a background with the XYZ color 42.3668, 26.2089, 2.8258.



This preview shows how white text looks on a background with the XYZ color 42.3668, 26.2089,

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

42.3668, 26.2089, 2.8258

Protanopia

23.8233, 26.3980, 4.8766

Deuteranopia

26.5190, 26.1222, 3.6444



Tritanopia

43.7794, 26.2426, 10.1550

Trichromacy



Original Color

42.3668, 26.2089, 2.8258

Protanomaly

28.1839, 24.3105, 3.7373

Deuteranomaly

30.9192, 24.8720, 3.1712

Tritanomaly

43.0838, 26.1883, 5.8017

Monochromacy



Original Color

42.3668, 26.2089, 2.8258

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

22.9950, 19.5005, 9.7597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3668, 26.2089, 2.8258 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(250, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 81, 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(250, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 81, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.3668, 26.2089, 2.8258 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(250, 81, 0) }
```


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

```
.border{ border-color:rgb(250, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 81, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.3668, 26.2089, 2.8258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 81, 0) }
```

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

```
.background{ background-color: rgb(250, 81,  
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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