

Converting Colors

XYZ(42.6711, 24.1222, 2.4070)

Have a look what the booklet for
XYZ(42.6711, 24.1222, 2.4070)
contains.

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Color

**XYZ(42.6542, 24.0883,
2.4014)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3800
RGB	255, 56, 0
RGB Percent	100%, 22%, 0%
CMY	0.0000, 0.7803, 1.0000
CMYK	0.00, 0.78, 1.00, 0.00
HSL	13°, 100%, 50%
HSV	13°, 100%, 100%
XYZ	42.6542, 24.0883, 2.4014
YIQ	109.1170, 136.5800, 24.7720

Conversions

Conversions Part 2

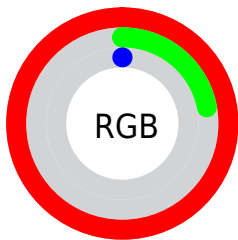
Format	Color
R_{YB}	255, 72, 0
Decimal	16726016
CIE Lab	56.18, 71.70, 68.35
CIE LCh	56, 99.062, 43.631
Yxy	24.0883, 0.6169, 0.3484
Android (android.graphics.Color)	4294916096 (0xFFFF3800)
YUV	109.1170, -53.7947, 127.9394
Hunter-Lab	49.0798, 69.2407, 31.4549

Details

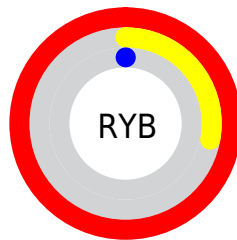
The XYZ color **42.6542, 24.0883, 2.4014** is a dark color, and the websafe version is hex **FF3300**, and the color name is **coquelicot**. The color can be described as dark saturated red. A complement of this color would be **38.4702, 48.0606, 101.8561**, and the grayscale version is **14.6920, 15.4571, 16.8328**.

A 20% lighter version of the original color is **48.7063, 34.8015, 8.7077**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **42.6546, 24.0895, 2.4016**, and if you desaturate by 10%, it is **43.9993, 26.4894, 3.7424**.

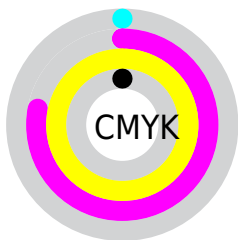
Distribution



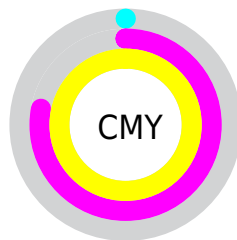
- Red (100%)
- Green (22%)
- Blue (0%)



- Red (100%)
- Yellow (28%)
- Blue (0%)



- Cyan (0%)
- Magenta (78%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (78%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.6542, 24.0883, 2.4014 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 42.6542, 24.0883, 2.4014 by changing the saturation by 10% instead.


 42.6542, 24.0883,
2.4014


 42.6542, 24.0883,
2.4014


348.1334,
273.2666, 128.3277


 29.8072, 15.3991,
0.7872


 78.4477, 50.1743,
10.1117

 19.8397, 9.1000,
0.0000


 102.1250, 68.3398,
17.0555

 12.3861, 4.8065,
0.0000

 130.1431, 90.4330,
26.6165

 7.0813, 2.1342,
0.0000

 162.8674,
116.8382, 39.2132

 3.5598, 0.6837,
0.0000

 200.6632,
147.9397, 55.2641


 1.4562, 0.0000,
0.0000

 243.8959,


 0.2958, 0.0000,


184.1220, 75.1878


0.0000


 292.9309,
225.7695, 99.4028


 0.0000, 0.0000,
0.0000


 42.6542, 24.0883,
2.4014


 42.6542, 24.0883,
2.4014


 42.6546, 24.0895,
2.4016

 43.9993, 26.4894,
3.7424

 46.0032, 29.8306,
6.4656

 48.7740, 34.2132,
10.9627

 52.3876, 39.7181,
17.4764

 56.9096, 46.4178,
26.2111

62.3992, 54.3788,
37.3457

68.9100, 63.6621,
51.0408

76.4918, 74.3249,
67.4431

85.1909, 86.4210,
86.6882

Harmonies

Analogous

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



51.4062, 24.0883, 14.0627



42.6542, 24.0883, 2.4014



29.6286, 24.0883, 0.1264

Triad

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



42.6542, 24.0883, 2.4014



7.6689, 24.0883, 12.2396



28.4460, 24.0883, 146.3385

Complementary

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



42.6542, 24.0883, 2.4014



38.4702, 48.0606, 101.8561

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.



17.2680, 24.0883, 143.9151



42.6542, 24.0883, 2.4014



7.5392, 24.0883, 43.9321

Square

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



42.6542, 24.0883, 2.4014



10.8769, 24.0883, 1.9966



10.4331, 24.0883, 97.5354



41.5451, 24.0883, 102.7041

Rectangle

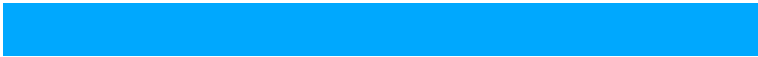
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.6542, 24.0883, 2.4014



21.5379, 24.0883, 0.0000



10.4331, 24.0883, 97.5354



24.3084, 24.0883, 151.5537

Sweetspot

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



42.6547, 24.0898, 2.4017



68.9095, 63.6611, 51.0391



51.6359, 25.4184, 56.6753



14.1346, 12.7530, 9.6197



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.



42.6547, 24.0898, 2.4017



42.6548, 24.0897, 2.4016



58.1218, 55.0240, 7.5574



18.3328, 18.6339, 18.7748



22.3771, 12.7655, 1.2846



2.2552, 1.3958, 0.1506

Inverse Universe

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



38.4702, 48.0606, 101.8561



38.4703, 48.0605, 101.8568



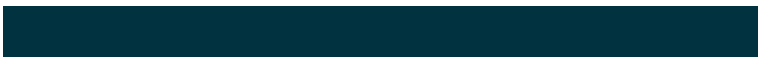
20.3836, 11.8874, 95.8273



18.1964, 19.7645, 23.1058



20.2169, 25.3434, 53.2608



2.0481, 2.6269, 5.2124

Previews

White Background



This preview shows how the XYZ color 42.6542, 24.0883, 2.4014 looks on a white background.

Color Contrast Check

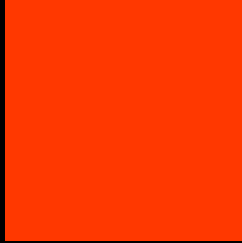
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.6542, 24.0883, 2.4014 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 42.6542, 24.0883, 2.4014

Background



This preview shows how black text looks on a background with the XYZ color 42.6542, 24.0883, 2.4014.



This preview shows how white text looks on a background with the XYZ color 42.6542, 24.0883,

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

42.6542, 24.0883, 2.4014

Protanopia

21.8472, 24.0971, 4.7280

Deuteranopia

24.2967, 23.9844, 3.3489



Tritanopia

43.2250, 24.1647, 5.8761

Trichromacy



Original Color

42.6542, 24.0883, 2.4014

Protanomaly

26.2578, 21.1739, 3.3191

Deuteranomaly

28.8388, 21.9202, 2.7111

Tritanomaly

42.8949, 24.1079, 3.9058

Monochromacy



Original Color

42.6542, 24.0883, 2.4014

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

19.6306, 15.4234, 7.5726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6542, 24.0883, 2.4014 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(255, 56, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 56, 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(255, 56, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 56, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.6542, 24.0883, 2.4014 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(255, 56, 0) }
```


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

```
.border{ border-color:rgb(255, 56, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 56, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 56, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 56, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 56, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.6542, 24.0883, 2.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 56, 0) }
```

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

```
.background{ background-color: rgb(255, 56,  
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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