

Converting Colors

XYZ(42.8602, 24.4997, 2.4721)

Have a look what the booklet for
XYZ(42.8602, 24.4997, 2.4721)
contains.

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Color

**XYZ(42.8559, 24.4917,
2.4686)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3C00
RGB	255, 60, 0
RGB Percent	100%, 24%, 0%
CMY	0.0000, 0.7646, 1.0000
CMYK	0.00, 0.76, 1.00, 0.00
HSL	14°, 100%, 50%
HSV	14°, 100%, 100%
XYZ	42.8559, 24.4917, 2.4686
YIQ	111.4650, 135.4800, 22.6800

Conversions

Conversions Part 2

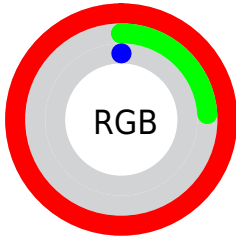
Format	Color
R_{YB}	255, 78, 0
Decimal	16727040
CIE Lab	56.58, 70.58, 68.53
CIE LCh	57, 98.372, 44.156
Yxy	24.4917, 0.6138, 0.3508
Android (android.graphics.Color)	4294917120 (0xFFFF3C00)
YUV	111.4650, -54.9522, 125.8802
Hunter-Lab	49.4891, 67.9691, 31.6849

Details

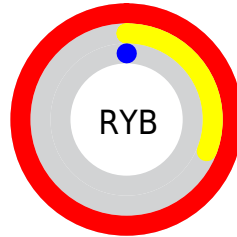
The XYZ color **42.8559, 24.4917, 2.4686** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **37.5619, 46.2440, 101.5534**, and the grayscale version is **15.3743, 16.1749, 17.6145**.

A 20% lighter version of the original color is **49.0690, 35.5269, 8.8286**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **42.8563, 24.4930, 2.4688**, and if you desaturate by 10%, it is **44.2539, 26.9987, 3.8272**.

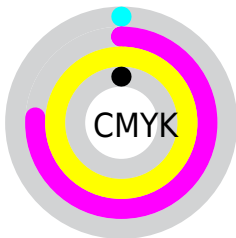
Distribution



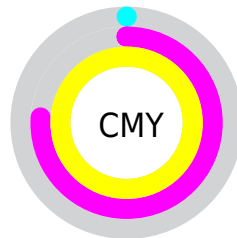
- Red (100%)
- Green (24%)
- Blue (0%)



- Red (100%)
- Yellow (31%)
- Blue (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (76%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8559, 24.4917, 2.4686 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 42.8559, 24.4917, 2.4686 by changing the saturation by 10% instead.


 42.8559, 24.4917,
2.4686


 42.8559, 24.4917,
2.4686

348.9504,
275.2970, 129.2746


 29.9661, 15.6988,
0.8234


 78.7504, 50.8314,
10.2863


 19.9608, 9.3112,
0.0000

 102.4859, 69.1470,
17.3027


 12.4747, 4.9447,
0.0000

 130.5672, 91.4055,
26.9489

 7.1423, 2.2149,
0.0000

 163.3599,
117.9915, 39.6433

 3.5984, 0.7281,
0.0000

 201.2292,
149.2892, 55.8045


 1.4775, 0.0000,
0.0000

 244.5404,


 0.3105, 0.0000,


185.6831, 75.8512


0.0000


 293.6591,
227.5576, 100.2017


 0.0000, 0.0000,
0.0000


 42.8559, 24.4917,
2.4686


 42.8559, 24.4917,
2.4686


 42.8563, 24.4930,
2.4688

 44.2539, 26.9987,
3.8272

 46.3004, 30.4250,
6.5646

 49.1006, 34.8663,
11.0714

 52.7280, 40.3990,
17.5897

 57.2465, 47.0916,
26.3231

62.7132, 55.0069,
37.4499

69.1803, 64.2027,
51.1304

76.6960, 74.7334,
67.5106

85.3052, 86.6500,
86.7257

Harmonies

Analogous

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



51.7246, 24.4917, 14.0540



42.8559, 24.4917, 2.4686



29.8038, 24.4917, 0.2036

Triad

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



42.8559, 24.4917, 2.4686



7.8990, 24.4917, 12.9179



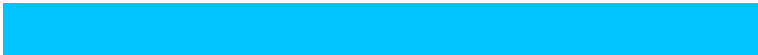
29.0728, 24.4917, 145.9472

Complementary

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



42.8559, 24.4917, 2.4686



37.5619, 46.2440, 101.5534

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.



17.7829, 24.4917, 144.4624



42.8559, 24.4917, 2.4686



7.8178, 24.4917, 45.1947

Square

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



42.8559, 24.4917, 2.4686



11.0872, 24.4917, 2.2100



10.8104, 24.4917, 98.8515



42.1721, 24.4917, 102.0242

Rectangle

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



42.8559, 24.4917, 2.4686



21.7232, 24.4917, 0.0000



10.8104, 24.4917, 98.8515



24.9065, 24.4917, 151.4319

Sweetspot

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



42.8564, 24.4932, 2.4690



69.1800, 64.2021, 51.1292



51.1467, 25.2227, 54.0994



14.1970, 12.8779, 9.6405



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.



42.8564, 24.4932, 2.4690



42.8566, 24.4932, 2.4689



59.0101, 56.8006, 7.8535



18.3563, 18.6808, 18.7826



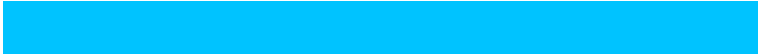
22.4876, 12.9864, 1.3214



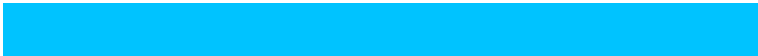
2.2690, 1.4234, 0.1551

Inverse Universe

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



37.5619, 46.2440, 101.5534



37.5620, 46.2440, 101.5540



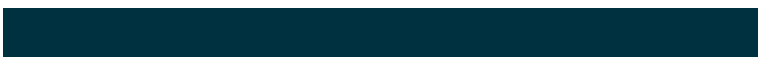
20.1171, 11.3544, 95.7385



18.1712, 19.7141, 23.0974



19.7474, 24.4043, 53.1043



2.0061, 2.5428, 5.1984

Previews

White Background



This preview shows how the XYZ color 42.8559, 24.4917, 2.4686 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 42.8559, 24.4917, 2.4686 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 42.8559, 24.4917, 2.4686

Background



This preview shows how black text looks on a background with the XYZ color 42.8559, 24.4917, 2.4686.



This preview shows how white text looks on a background with the XYZ color 42.8559, 24.4917,

2.4686.

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

42.8559, 24.4917, 2.4686

Protanopia

22.1754, 24.4744, 4.7836

Deuteranopia

24.8635, 24.4712, 3.4130



Tritanopia

43.4668, 24.4917, 6.4394

Trichromacy



Original Color

42.8559, 24.4917, 2.4686

Protanomaly

26.7153, 21.7193, 3.4003

Deuteranomaly

29.3074, 22.4572, 2.7900

Tritanomaly

43.0870, 24.4197, 4.1928

Monochromacy



Original Color

42.8559, 24.4917, 2.4686

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

20.0687, 15.8958, 7.9717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8559, 24.4917, 2.4686 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, 60, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 60, 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, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 60, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.8559, 24.4917, 2.4686 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, 60, 0) }
```


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

```
.border{ border-color:rgb(255, 60, 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, 60, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 60, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 60, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 60, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.8559, 24.4917, 2.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 60, 0) }
```

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

```
.background{ background-color: rgb(255, 60,  
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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