

Converting Colors

XYZ(42.7144, 27.9629, 3.1461)

Have a look what the booklet for
XYZ(42.7144, 27.9629, 3.1461)
contains.

XYZ(42.7141, 27.9619, 3.1459)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.7141, 27.9619,
3.1459)**

Conversions

Conversions Part 1

Format	Color
Hex	F85E00
RGB	248, 94, 0
RGB Percent	97%, 37%, 0%
CMY	0.0275, 0.6313, 1.0000
CMYK	0.00, 0.62, 1.00, 0.03
HSL	23°, 100%, 49%
HSV	23°, 100%, 97%
XYZ	42.7141, 27.9619, 3.1459
YIQ	129.3300, 121.9580, 3.4140

Conversions

Conversions Part 2

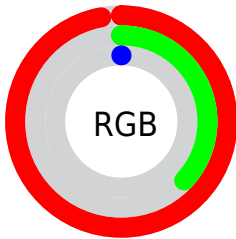
Format	Color
R_{YB}	248, 151, 0
Decimal	16276992
CIE _{Lab}	59.85, 56.03, 69.41
CIE _{LCh}	60, 89.202, 51.092
Yxy	27.9619, 0.5786, 0.3788
Android (android.graphics.Color)	4294467072 (0xFFFF85E00)
YUV	129.3300, -63.7597, 104.0736
Hunter-Lab	52.8790, 51.6487, 33.4880

Details

The XYZ color **42.7141, 27.9619, 3.1459** 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 **28.4978, 29.8866, 93.0728**, and the grayscale version is **21.1706, 22.2731, 24.2554**.

A 20% lighter version of the original color is **53.0006, 43.1601, 10.8475**, and **20.1295, 11.2693, 1.1143** is the 20% darker color. If you saturate the color by 10%, you get **42.7144, 27.9629, 3.1461**, and if you desaturate by 10%, it is **44.3969, 31.0505, 4.5621**.

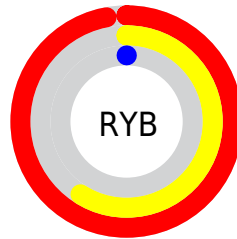
Distribution



Red (97%)

Green (37%)

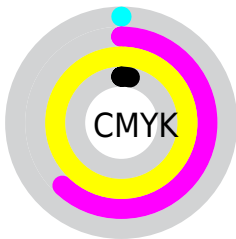
Blue (0%)



Red (97%)

Yellow (59%)

Blue (0%)

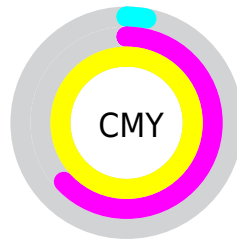


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7141, 27.9619, 3.1459 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 42.7141, 27.9619, 3.1459 by changing the saturation by 10% instead.

42.7141, 27.9619,
3.1459

42.7141, 27.9619,
3.1459

348.3762,
292.2848, 138.1977

29.8544, 18.2969,
1.1696

78.5377, 56.4236,
11.9864

19.8756, 11.1634,
0.0000

102.2322, 75.9891,
19.6876

12.4124, 6.1768,
0.0000

130.2691, 99.6237,
30.1343

7.0994, 2.9529,
0.0000

163.0137,
127.7116, 43.7449

3.5712, 1.1072,
0.0000

200.8314,
160.6372, 60.9381


1.4625, 0.0000,
0.0000

244.0874,


0.3001, 0.0000,


198.7851, 82.1322


0.0000


 293.1472,
242.5395, 107.7459


 0.0000, 0.0000,
0.0000


 42.7141, 27.9619,
3.1459


 42.7141, 27.9619,
3.1459


 42.7144, 27.9629,
3.1461

 44.3969, 31.0505,
4.5621

 46.5877, 34.8020,
7.2352

 49.3693, 39.2732,
11.5288

 52.7956, 44.5063,
17.6638

 56.9136, 50.5398,
25.8259

61.7648, 57.4089,
36.1778

67.3873, 65.1464,
48.8655

73.8163, 73.7831,
64.0221

81.0846, 83.3484,
81.7709

Harmonies

Analogous

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



52.4767, 27.9619, 13.0796



42.7141, 27.9619, 3.1459



30.0898, 27.9619, 1.0564

Triad

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



42.7141, 27.9619, 3.1459



10.3587, 27.9619, 21.7817



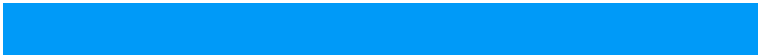
35.1985, 27.9619, 133.4046

Complementary

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



42.7141, 27.9619, 3.1459



28.4978, 29.8866, 93.0728

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.



23.3487, 27.9619, 142.7793



42.7141, 27.9619, 3.1459



11.0094, 27.9619, 58.8169

Square

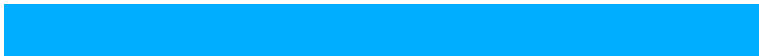
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.7141, 27.9619, 3.1459



12.9894, 27.9619, 5.6863



15.1220, 27.9619, 109.2038



47.3516, 27.9619, 88.7291

Rectangle

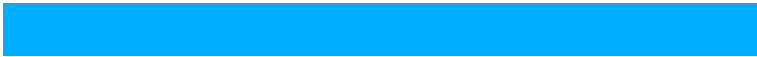
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.7141, 27.9619, 3.1459



22.6080, 27.9619, 1.1009



15.1220, 27.9619, 109.2038



30.9851, 27.9619, 141.6276

Sweetspot

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



42.7147, 27.9635, 3.1463



71.7599, 69.3619, 51.9892



44.8027, 22.3930, 33.8897



14.7966, 14.0771, 9.8404



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.



42.7147, 27.9635, 3.1463



45.4834, 29.7468, 3.3445



62.9945, 68.5232, 9.9063



17.7838, 18.3034, 18.0580



23.1989, 15.3545, 1.7410



2.2472, 1.6192, 0.1941

Inverse Universe

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



28.4978, 29.8866, 93.0728



30.3348, 31.7896, 99.1449



17.4890, 7.8690, 89.4032



17.1808, 18.4384, 22.0387



15.5340, 16.4236, 50.3249



1.5409, 1.7254, 4.6950

Previews

White Background



This preview shows how the XYZ color 42.7141, 27.9619, 3.1459 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 42.7141, 27.9619, 3.1459 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 42.7141, 27.9619, 3.1459

Background



This preview shows how black text looks on a background with the XYZ color 42.7141, 27.9619, 3.1459.



This preview shows how white text looks on a background with the XYZ color 42.7141, 27.9619,

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

42.7141, 27.9619, 3.1459

Protanopia

25.4051, 28.1075, 5.0060

Deuteranopia

28.4741, 27.9586, 3.8958



Tritanopia

44.8898, 28.0938, 13.4126

Trichromacy



Original Color

42.7141, 27.9619, 3.1459

Protanomaly

29.8025, 26.4285, 4.0207

Deuteranomaly

32.5695, 26.9401, 3.4834

Tritanomaly

43.5125, 27.7678, 7.2040

Monochromacy



Original Color

42.7141, 27.9619, 3.1459

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

24.7816, 21.8706, 10.8980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7141, 27.9619, 3.1459 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, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 94, 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, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 94, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.7141, 27.9619, 3.1459 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, 94, 0) }
```


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

```
.border{ border-color:rgb(248, 94, 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, 94, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 94, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.7141, 27.9619, 3.1459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 94, 0) }
```

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

```
.background{ background-color: rgb(248, 94,  
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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