

# Converting Colors

XYZ(42.0469, 22.6425, 2.9134)

Have a look what the booklet for  
XYZ(42.0469, 22.6425, 2.9134)  
contains.

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# Color

**XYZ(42.0464, 22.6411,  
2.9131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF2516
RGB	255, 37, 22
RGB Percent	100%, 15%, 9%
CMY	0.0000, 0.8548, 0.9137
CMYK	0.00, 0.85, 0.91, 0.00
HSL	4°, 100%, 54%
HSV	4°, 91%, 100%
XYZ	42.0464, 22.6411, 2.9131
YIQ	100.4720, 134.7430, 41.5510

# Conversions

## Conversions Part 2

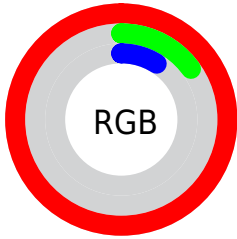
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 38, 22
Decimal	16721174
CIE <sub>Lab</sub>	54.70, 76.23, 62.08
CIE <sub>LCh</sub>	55, 98.313, 39.157
Yxy	22.6411, 0.6220, 0.3349
Android (android.graphics.Color)	4294911254 (0xFFFF2516)
YUV	100.4720, -38.6867, 135.5211
Hunter-Lab	47.5827, 74.4618, 29.6780

# Details

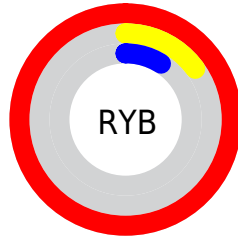
The XYZ color **42.0464, 22.6411, 2.9131** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **49.5330, 69.6950, 105.4488**, and the grayscale version is **12.3090, 12.9500, 14.1026**.

A 20% lighter version of the original color is **47.8052, 32.4662, 10.0503**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.4316, 21.6437, 1.9940**, and if you desaturate by 10%, it is **43.4254, 24.7940, 5.2395**.

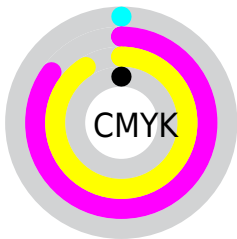
# Distribution



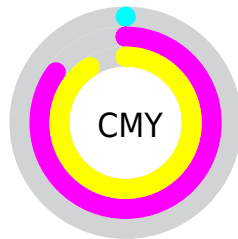
- Red (100%)
- Green (15%)
- Blue (9%)



- Red (100%)
- Yellow (15%)
- Blue (9%)



- Cyan (0%)
- Magenta (85%)
- Yellow (91%)
- Black (0%)




- Cyan (0%)
- Magenta (85%)
- Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0464, 22.6411, 2.9131 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 42.0464, 22.6411, 2.9131 by changing the saturation by 10% instead.




 42.0464, 22.6411,  
2.9131


 42.0464, 22.6411,  
2.9131


345.6636,  
265.8762, 135.2460


 29.3289, 14.3287,  
1.0504


 77.5346, 47.8033,  
11.4132


 19.4753, 8.3497,  
0.0000

 101.0359, 65.4220,  
18.8878

 12.1203, 4.3195,  
0.0000


 128.8626, 86.9115,  
29.0701

 6.8984, 1.8538,  
0.0000

 161.3800,  
112.6563, 42.3786

 3.4444, 0.5204,  
0.0000

 198.9535,  
143.0408, 59.2319


 1.3929, 0.0000,  
0.0000

 241.9483,


 0.2512, 0.0000,


178.4494, 80.0486


0.0000


 290.7299,  
219.2664, 105.2471


 0.0000, 0.0000,  
0.0000


 42.0464, 22.6411,  
2.9131


 42.0464, 22.6411,  
2.9131


 41.4316, 21.6437,  
1.9940

 43.4254, 24.7940,  
5.2395

 45.6701, 28.1966,  
9.3388

 48.8933, 33.0017,  
15.4725

 53.1899, 39.3394,  
23.8587

 58.6440, 47.3247,  
34.6872

65.3309, 57.0617,  
48.1281

73.3198, 68.6460,  
64.3360

82.6747, 82.1661,  
83.4536

93.4554, 97.7049,  
105.6136

# Harmonies

## Analogous

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



49.3258, 22.6411, 16.3259



42.0464, 22.6411, 2.9131



29.8133, 22.6411, 0.1700

# Triad

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



42.0464, 22.6411, 2.9131



7.3340, 22.6411, 8.9370



25.0074, 22.6411, 142.8743

# Complementary

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



42.0464, 22.6411, 2.9131



49.5330, 69.6950, 105.4488

# 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.



14.9273, 22.6411, 132.9712



42.0464, 22.6411, 2.9131



6.8114, 22.6411, 35.4156

# Square

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



42.0464, 22.6411, 2.9131



10.8654, 22.6411, 1.2960



9.0729, 22.6411, 84.7556



37.5322, 22.6411, 105.8597



# Rectangle

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



42.0464, 22.6411, 2.9131



21.8274, 22.6411, 0.0000



9.0729, 22.6411, 84.7556



21.2148, 22.6411, 145.3202

# Sweetspot

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



42.0469, 22.6425, 2.9134



68.6604, 61.8946, 54.8661



57.7570, 28.3258, 87.4940



14.1351, 12.4337, 10.6076



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.



42.0469, 22.6425, 2.9134



41.4319, 21.6439, 1.9940



52.3147, 43.1783, 6.3360



18.1034, 18.1750, 18.6983



21.6843, 11.3799, 1.0537



2.1428, 1.1709, 0.1131



# Inverse Universe

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



49.5330, 69.6950, 105.4488



48.7865, 68.6930, 105.2955



25.9507, 22.5305, 97.5881



18.4487, 20.2689, 23.1899



25.5349, 35.9794, 55.0335



2.5153, 3.5613, 5.3681



# Previews

## White Background



This preview shows how the XYZ color 42.0464, 22.6411, 2.9131 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



## 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 42.0464, 22.6411, 2.9131**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0464, 22.6411, 2.9131.



This preview shows how white text looks on a background with the XYZ color 42.0464, 22.6411,



# 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

42.0464, 22.6411, 2.9131

### Protanopia

20.7199, 22.8800, 5.6097

### Deuteranopia

23.0595, 22.7742, 3.1805



## Tritanopia

42.1316, 22.6260, 3.5132

# Trichromacy



## Original Color

42.0464, 22.6411, 2.9131

## Protanomaly

24.8278, 19.1098, 3.9701

## Deuteranomaly

27.2469, 19.8520, 2.6255

## Tritanomaly

42.0805, 22.6056, 3.2440

# Monochromacy



## Original Color

42.0464, 22.6411, 2.9131

## Achromatopsia

12.1130, 12.7438, 13.8780

## Achromatomaly

17.5339, 12.8436, 7.6858

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0464, 22.6411, 2.9131 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, 37, 22)` looks like.

```
.text, #text, p{  
    color:rgb(255, 37, 22)  
}
```

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, 37, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 37, 22) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0464, 22.6411, 2.9131 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, 37, 22) }
```



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

```
.border{ border-color:rgb(255, 37, 22) }
```

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

Here you see how a box with a 4 pixel rgb(255, 37, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 37, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 37, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 37,  
22) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0464, 22.6411, 2.9131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 37, 22) }
```

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

```
.background{ background-color: rgb(255, 37,  
22) }
```

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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