

# Converting Colors

XYZ(42.6081, 24.3269, 3.1498)

Have a look what the booklet for  
XYZ(42.6081, 24.3269, 3.1498)  
contains.

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# Color

**XYZ(42.6243, 24.3567,  
3.1642)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE3C15
RGB	254, 60, 21
RGB Percent	100%, 24%, 8%
CMY	0.0039, 0.7646, 0.9176
CMYK	0.00, 0.76, 0.92, 0.00
HSL	10°, 99%, 54%
HSV	10°, 92%, 100%
XYZ	42.6243, 24.3567, 3.1642
YIQ	113.5600, 128.1430, 28.9990

# Conversions

## Conversions Part 2

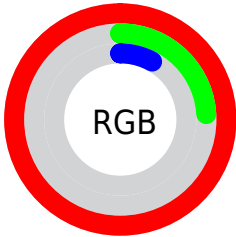
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">254, 68, 21</a>
Decimal	<a href="#">16661525</a>
<a href="#">CIELab</a>	<a href="#">56.44, 70.46, 63.41</a>
<a href="#">CIELCh</a>	<a href="#">56, 94.794, 41.986</a>
<a href="#">Yxy</a>	<a href="#">24.3567, 0.6077, 0.3472</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294851605 (0xFFFE3C15)</a>
<a href="#">YUV</a>	<a href="#">113.5600, -45.6321, 123.1659</a>
<a href="#">Hunter-Lab</a>	<a href="#">49.3525, 67.7983, 30.7454</a>

# Details

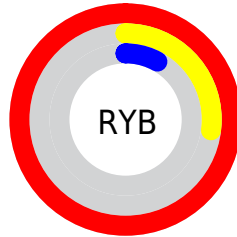
The XYZ color **42.6243, 24.3567, 3.1642** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **42.4951, 55.9082, 102.3169**, and the grayscale version is **15.9698, 16.8015, 18.2968**.

A 20% lighter version of the original color is **49.4356, 35.6735, 10.7587**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.7197, 22.7645, 2.1951**, and if you desaturate by 10%, it is **44.3284, 27.1802, 5.5364**.

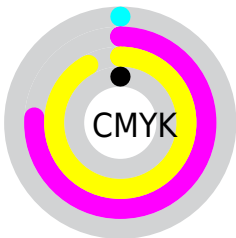
# Distribution



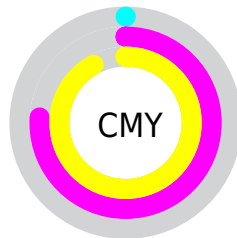
- Red (100%)
- Green (24%)
- Blue (8%)



- Red (100%)
- Yellow (27%)
- Blue (8%)



- Cyan (0%)
- Magenta (76%)
- Yellow (92%)
- Black (0%)




- Cyan (0%)
- Magenta (76%)
- Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6243, 24.3567, 3.1642 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 42.6243, 24.3567, 3.1642 by changing the saturation by 10% instead.





 42.6243, 24.3567,  
3.1642


 42.6243, 24.3567,  
3.1642


348.0122,  
274.6189, 138.4252


 29.7837, 15.5984,  
1.1791


 78.4029, 50.6117,  
12.0310

 19.8217, 9.2404,  
0.0000


 102.0715, 68.8771,  
19.7497

 12.3730, 4.8983,  
0.0000


 130.0802, 91.0805,  
30.2168

 7.0723, 2.1877,  
0.0000

 162.7944,  
117.6061, 43.8506

 3.5541, 0.7133,  
0.0000

 200.5793,  
148.8383, 61.0699


 1.4531, 0.0000,  
0.0000

 243.8003,


 0.2936, 0.0000,


185.1616, 82.2930


0.0000


 292.8228,  
226.9603, 107.9386


 0.0000, 0.0000,  
0.0000


 42.6243, 24.3567,  
3.1642


 42.6243, 24.3567,  
3.1642


 41.7197, 22.7645,  
2.1951

 44.3284, 27.1802,  
5.5364

 46.8178, 31.0996,  
9.6322

 50.1795, 36.2169,  
15.7043

 54.4878, 42.6204,  
23.9629

 59.8089, 50.3904,  
34.5914

66.2028, 59.6002,  
47.7535

73.7249, 70.3179,  
63.5986

82.4265, 82.6074,  
82.2642

92.3559, 96.5287,  
103.8786

# Harmonies

## Analogous

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



50.5052, 24.3567, 15.8527



42.6243, 24.3567, 3.1642



30.3016, 24.3567, 0.5012

# Triad

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



42.6243, 24.3567, 3.1642



8.3314, 24.3567, 11.8871



27.8109, 24.3567, 140.2884

# Complementary

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



42.6243, 24.3567, 3.1642



42.4951, 55.9082, 102.3169

# 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.



17.2233, 24.3567, 135.3586



42.6243, 24.3567, 3.1642



8.0445, 24.3567, 41.1410

# Square

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



42.6243, 24.3567, 3.1642



11.7166, 24.3567, 2.1961



10.7490, 24.3567, 90.8918



40.3126, 24.3567, 101.4834



# Rectangle

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



42.6243, 24.3567, 3.1642



22.4271, 24.3567, 0.1803



10.7490, 24.3567, 90.8918



23.8889, 24.3567, 144.2112

# Sweetspot

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



42.6248, 24.3582, 3.1646



69.4897, 63.9836, 53.8154



53.4281, 26.5219, 66.7053



14.2093, 12.7452, 10.1295



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.



42.6248, 24.3582, 3.1646



42.0930, 22.9659, 2.2143



56.5989, 52.3063, 7.8226



18.2551, 18.4784, 18.7489



22.0659, 12.1431, 1.1809

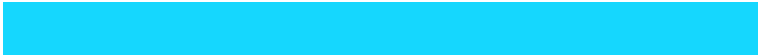


2.2141, 1.3136, 0.1368

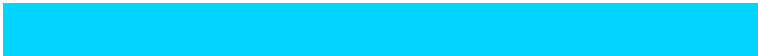


# Inverse Universe

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



42.4951, 55.9082, 102.3169



41.6689, 54.4578, 102.9230



22.6289, 16.1759, 95.6949



18.2808, 19.9331, 23.1339



21.8686, 28.6467, 53.8114



2.1949, 2.9204, 5.2613



# Previews

## White Background



This preview shows how the XYZ color 42.6243, 24.3567, 3.1642 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

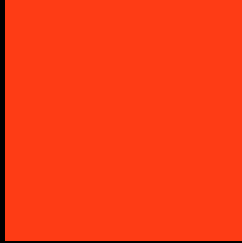
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.6243, 24.3567, 3.1642 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 42.6243, 24.3567, 3.1642**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.6243, 24.3567, 3.1642.



This preview shows how white text looks on a background with the XYZ color 42.6243, 24.3567,



# 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

42.6243, 24.3567, 3.1642

### Protanopia

22.1193, 24.4302, 5.4691

### Deuteranopia

24.6448, 24.3584, 3.4027



## Tritanopia

43.4416, 24.4817, 6.3067

# Trichromacy



## Original Color

42.6243, 24.3567, 3.1642

## Protanomaly

26.6095, 21.6482, 4.1425

## Deuteranomaly

29.0815, 22.3357, 3.0082

## Tritanomaly

43.2077, 24.4680, 4.8284

# Monochromacy



## Original Color

42.6243, 24.3567, 3.1642

## Achromatopsia

15.9940, 16.8269, 18.3245

## Achromatomaly

20.9677, 16.5839, 9.6853

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.6243, 24.3567, 3.1642 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(254, 60, 21)` looks like.

```
.text, #text, p{  
    color:rgb(254, 60, 21)  
}
```

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(254, 60, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 60, 21) }
```

## Border

The CSS property to change the border of an element to XYZ 42.6243, 24.3567, 3.1642 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(254, 60, 21) }
```



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

```
.border{ border-color:rgb(254, 60, 21) }
```

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

Here you see how a box with a 4 pixel rgb(254, 60, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 60, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 60, 21);  
box-shadow:4px 4px 4px 4px rgb(254, 60,  
21) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.6243, 24.3567, 3.1642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 60, 21) }
```

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

```
.background{ background-color: rgb(254, 60,  
21) }
```

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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