

Converting Colors

XYZ(42.3268, 23.1170, 3.2680)

Have a look what the booklet for
XYZ(42.3268, 23.1170, 3.2680)
contains.

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Color

**XYZ(42.3385, 23.1405,
3.2720)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2C1B
RGB	255, 44, 27
RGB Percent	100%, 17%, 11%
CMY	0.0000, 0.8274, 0.8941
CMYK	0.00, 0.83, 0.89, 0.00
HSL	4°, 100%, 55%
HSV	4°, 89%, 100%
XYZ	42.3385, 23.1405, 3.2720
YIQ	105.1510, 131.2130, 39.4450

Conversions

Conversions Part 2

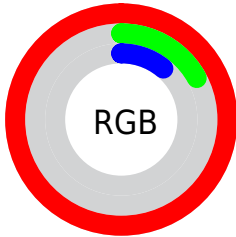
Format	Color
RYB	255, 45, 27
Decimal	16722971
CIELab	55.22, 74.89, 60.61
CIELCh	55, 96.342, 38.983
Yxy	23.1405, 0.6158, 0.3366
Android (android.graphics.Color)	4294913051 (0xFFFF2C1B)
YUV	105.1510, -38.5284, 131.4176
Hunter-Lab	48.1046, 72.9210, 29.6404

Details

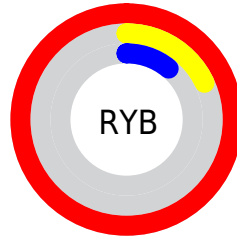
The XYZ color **42.3385, 23.1405, 3.2720** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **49.0702, 68.5895, 105.2598**, and the grayscale version is **13.5473, 14.2528, 15.5213**.

A 20% lighter version of the original color is **48.3737, 33.3842, 10.9154**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.5056, 21.7786, 2.0592**, and if you desaturate by 10%, it is **43.9149, 25.6005, 5.9351**.

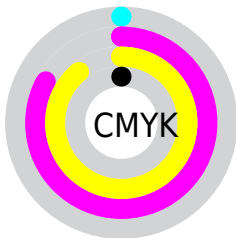
Distribution



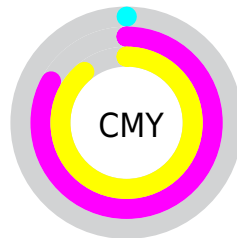
- Red (100%)
- Green (17%)
- Blue (11%)



- Red (100%)
- Yellow (18%)
- Blue (11%)



- Cyan (0%)
- Magenta (83%)
- Yellow (89%)
- Black (0%)





- Cyan (0%)
- Magenta (83%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3385, 23.1405, 3.2720 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 42.3385, 23.1405, 3.2720 by changing the saturation by 10% instead.

 42.3385, 23.1405,
3.2720


 42.3385, 23.1405,
3.2720


346.8520,
268.4458, 139.7529


 29.5587, 14.6973,
1.2351


 77.9736, 48.6239,
12.2925

 19.6503, 8.6072,
0.0077

 101.5597, 66.4329,
20.1133

 12.2479, 4.4859,
0.0000


 129.4785, 88.1326,
30.6991

 6.9861, 1.9489,
0.0000

 162.0955,
114.1075, 44.4686

 3.4997, 0.5775,
0.0000

 199.7760,
144.7418, 61.8401


 1.4232, 0.0000,
0.0000

 242.8853,


 0.2726, 0.0000,


180.4200, 83.2323


0.0000


 291.7889,
221.5266, 109.0637


 0.0000, 0.0000,
0.0000


 42.3385, 23.1405,
3.2720


 42.3385, 23.1405,
3.2720


 41.5056, 21.7786,
2.0592


 43.9149, 25.6005,
5.9351

 41.4731, 21.7268,
2.0078

 46.3743, 29.3288,
10.4248

 49.8222, 34.4675,
16.9912

 54.3491, 41.1388,
25.8453

 60.0351, 49.4515,
37.1719

66.9526, 59.5045,
51.1372

75.1682, 71.3889,
67.8926

84.7436, 85.1896,
87.5785

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



49.4453, 23.1405, 17.0237



42.3385, 23.1405, 3.2720



30.2887, 23.1405, 0.3683

Triad

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



42.3385, 23.1405, 3.2720



7.7736, 23.1405, 9.3497



25.3889, 23.1405, 140.9054

Complementary

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



42.3385, 23.1405, 3.2720



49.0702, 68.5895, 105.2598

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.



15.3719, 23.1405, 131.0078



42.3385, 23.1405, 3.2720



7.2253, 23.1405, 35.6376

Square

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



42.3385, 23.1405, 3.2720



11.3696, 23.1405, 1.4956



9.5047, 23.1405, 83.9529



37.7635, 23.1405, 105.1331

Rectangle

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



42.3385, 23.1405, 3.2720



22.3639, 23.1405, 0.0000



9.5047, 23.1405, 83.9529



21.6289, 23.1405, 143.1800

Sweetspot

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



42.3390, 23.1420, 3.2723



68.8130, 62.1997, 54.9169



57.3300, 28.3231, 84.7270



14.1699, 12.5033, 10.6192



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.



42.3390, 23.1420, 3.2723



41.4735, 21.7270, 2.0078



53.3596, 45.1831, 6.9458



18.1183, 18.2047, 18.7033



21.7096, 11.4304, 1.0621



2.1498, 1.1849, 0.1154

Inverse Universe

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



49.0702, 68.5895, 105.2598



48.0350, 67.1900, 105.0450



25.9372, 22.3237, 97.5488



18.4320, 20.2356, 23.1843



25.1483, 35.2061, 54.9046



2.4818, 3.4943, 5.3569

Previews

White Background



This preview shows how the XYZ color 42.3385, 23.1405, 3.2720 looks on a white background.

Color Contrast Check

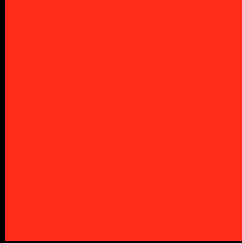
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3385, 23.1405, 3.2720 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 42.3385, 23.1405, 3.2720

Background



This preview shows how black text looks on a background with the XYZ color 42.3385, 23.1405, 3.2720.



This preview shows how white text looks on a background with the XYZ color 42.3385, 23.1405,

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

42.3385, 23.1405, 3.2720

Protanopia

21.1134, 23.2762, 6.0693

Deuteranopia

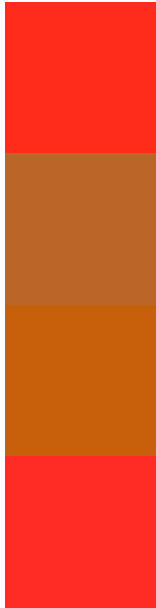
23.3972, 23.1372, 3.2328



Tritanopia

42.5041, 23.1478, 4.3256

Trichromacy



Original Color

42.3385, 23.1405, 3.2720

Protanomaly

25.5302, 20.0254, 4.5272

Deuteranomaly

27.7908, 20.5298, 2.7851

Tritanomaly

42.4223, 23.1151, 3.8948

Monochromacy



Original Color

42.3385, 23.1405, 3.2720

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

18.9300, 14.1959, 8.7635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3385, 23.1405, 3.2720 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, 44, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 44, 27)  
}
```

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, 44, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 44, 27) }
```

Border

The CSS property to change the border of an element to XYZ 42.3385, 23.1405, 3.2720 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, 44, 27) }
```


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

```
.border{ border-color:rgb(255, 44, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 44, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 44, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 44, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 44,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3385, 23.1405, 3.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 44, 27) }
```

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

```
.background{ background-color: rgb(255, 44,  
27) }
```

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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