

Converting Colors

XYZ(42.0405, 22.6896, 2.7255)

Have a look what the booklet for
XYZ(42.0405, 22.6896, 2.7255)
contains.

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Color

**XYZ(42.0423, 22.6899,
2.7360)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2612
RGB	255, 38, 18
RGB Percent	100%, 15%, 7%
CMY	0.0000, 0.8509, 0.9294
CMYK	0.00, 0.85, 0.93, 0.00
HSL	5°, 100%, 54%
HSV	5°, 93%, 100%
XYZ	42.0423, 22.6899, 2.7360
YIQ	100.6030, 135.7520, 39.7840

Conversions

Conversions Part 2

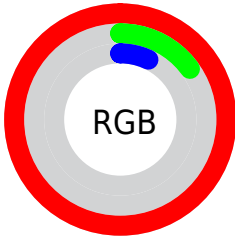
Format	Color
R_{YB}	255, 40, 18
Decimal	16721426
CIE _{Lab}	54.75, 76.00, 63.41
CIE _{LCh}	55, 98.978, 39.837
Yxy	22.6899, 0.6231, 0.3363
Android (android.graphics.Color)	4294911506 (0xFFFF2612)
YUV	100.6030, -40.7233, 135.4062
Hunter-Lab	47.6339, 74.1870, 29.9382

Details

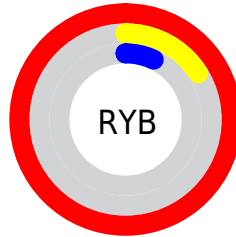
The XYZ color **42.0423, 22.6899, 2.7360** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **48.0008, 66.7515, 104.9614**, and the grayscale version is **12.3475, 12.9905, 14.1467**.

A 20% lighter version of the original color is **47.8141, 32.6395, 9.5743**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.5179, 21.8164, 2.0227**, and if you desaturate by 10%, it is **43.3736, 24.8151, 4.8378**.

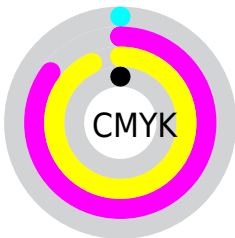
Distribution



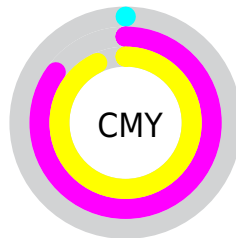
- Red (100%)
- Green (15%)
- Blue (7%)



- Red (100%)
- Yellow (16%)
- Blue (7%)



- Cyan (0%)
- Magenta (85%)
- Yellow (93%)
- Black (0%)





- Cyan (0%)
- Magenta (85%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0423, 22.6899, 2.7360 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 42.0423, 22.6899, 2.7360 by changing the saturation by 10% instead.


 42.0423, 22.6899,
2.7360


 42.0423, 22.6899,
2.7360


345.6469,
266.1282, 132.9238

 29.3257, 14.3647,
0.9615


 77.5284, 47.8836,
10.9697


 19.4728, 8.3748,
0.0000


 101.0286, 65.5210,
18.2660

 12.1185, 4.3357,
0.0000


 128.8540, 87.0311,
28.2400

 6.8972, 1.8630,
0.0000

 161.3700,
112.7985, 41.3102

 3.4436, 0.5260,
0.0000

 198.9419,
143.2075, 57.8951


 1.3925, 0.0000,
0.0000

 241.9351,


 0.2509, 0.0000,


178.6426, 78.4133


0.0000


 290.7150,
219.4880, 103.2833


 0.0000, 0.0000,
0.0000


 42.0423, 22.6899,
2.7360

 42.0423, 22.6899,
2.7360


 41.5179, 21.8164,
2.0227

 43.3736, 24.8151,
4.8378

 45.5401, 28.1419,
8.6622

 48.6517, 32.8151,
14.4778

 52.8010, 38.9581,
22.5065

 58.0695, 46.6801,
32.9408

64.5304, 56.0800,
45.9521

72.2508, 67.2486,
61.6964

81.2929, 80.2703,
80.3172

91.7144, 95.2238,
101.9478

Harmonies

Analogous

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



49.5771, 22.6899, 15.7899



42.0423, 22.6899, 2.7360



29.6441, 22.6899, 0.1040

Triad

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



42.0423, 22.6899, 2.7360



7.2502, 22.6899, 9.2334



25.3560, 22.6899, 143.9534

Complementary

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



42.0423, 22.6899, 2.7360



48.0008, 66.7515, 104.9614

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.



15.1076, 22.6899, 135.0712



42.0423, 22.6899, 2.7360



6.7875, 22.6899, 36.4693

Square

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



42.0423, 22.6899, 2.7360



10.7175, 22.6899, 1.3233



9.1266, 22.6899, 86.7229



38.0081, 22.6899, 105.6296

Rectangle

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



42.0423, 22.6899, 2.7360



21.6260, 22.6899, 0.0000



9.1266, 22.6899, 86.7229



21.5063, 22.6899, 146.8344

Sweetspot

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



42.0428, 22.6913, 2.7363



68.1838, 61.3718, 53.3801



56.4875, 27.7051, 81.1567



13.9075, 12.1417, 10.0289



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.



42.0428, 22.6913, 2.7363



41.5183, 21.8165, 2.0228



53.2794, 45.1645, 6.4818



18.1327, 18.2336, 18.7081



21.7364, 11.4841, 1.0710



2.1566, 1.1985, 0.1177

Inverse Universe

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



48.0008, 66.7515, 104.9614



47.3181, 65.7563, 104.8060



24.6316, 20.0131, 97.1717



18.4159, 20.2034, 23.1790



24.7794, 34.4683, 54.7816



2.4498, 3.4303, 5.3463

Previews

White Background



This preview shows how the XYZ color 42.0423, 22.6899, 2.7360 looks on a white background.

Color Contrast Check

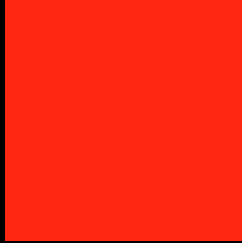
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.0423, 22.6899, 2.7360 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 42.0423, 22.6899, 2.7360

Background



This preview shows how black text looks on a background with the XYZ color 42.0423, 22.6899, 2.7360.



This preview shows how white text looks on a background with the XYZ color 42.0423, 22.6899,

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

42.0423, 22.6899, 2.7360

Protanopia

20.6501, 22.8521, 5.2420

Deuteranopia

23.0595, 22.7742, 3.1805



Tritanopia

42.1761, 22.6929, 3.5961

Trichromacy



Original Color

42.0423, 22.6899, 2.7360

Protanomaly

24.8647, 19.2734, 3.7059

Deuteranomaly

27.2414, 19.8498, 2.5966

Tritanomaly

42.1112, 22.6670, 3.2543

Monochromacy



Original Color

42.0423, 22.6899, 2.7360

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

17.7663, 13.0718, 7.5480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0423, 22.6899, 2.7360 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, 38, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 38, 18)  
}
```

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, 38, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 38, 18) }
```

Border

The CSS property to change the border of an element to XYZ 42.0423, 22.6899, 2.7360 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, 38, 18) }
```


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

```
.border{ border-color:rgb(255, 38, 18) }
```

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

Here you see how a box with a 4 pixel rgb(255, 38, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 38, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 38, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 38,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0423, 22.6899, 2.7360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 38, 18) }
```

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

```
.background{ background-color: rgb(255, 38,  
18) }
```

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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