

Converting Colors

XYZ(42.2567, 23.0587, 2.9923)

Have a look what the booklet for
XYZ(42.2567, 23.0587, 2.9923)
contains.

XYZ(42.2487, 23.0457, 2.9806)	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(42.2487, 23.0457,
2.9806)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2B16
RGB	255, 43, 22
RGB Percent	100%, 17%, 9%
CMY	0.0000, 0.8313, 0.9137
CMYK	0.00, 0.83, 0.91, 0.00
HSL	5°, 100%, 54%
HSV	5°, 91%, 100%
XYZ	42.2487, 23.0457, 2.9806
YIQ	103.9940, 133.0930, 38.4130

Conversions

Conversions Part 2

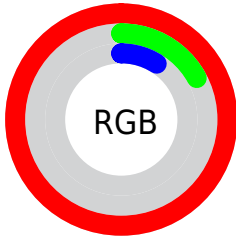
Format	Color
R_{YB}	255, 45, 22
Decimal	16722710
CIE _{Lab}	55.12, 75.04, 62.34
CIE _{LCh}	55, 97.558, 39.720
Yxy	23.0457, 0.6188, 0.3375
Android (android.graphics.Color)	4294912790 (0xFFFF2B16)
YUV	103.9940, -40.4230, 132.4323
Hunter-Lab	48.0059, 73.0825, 29.9229

Details

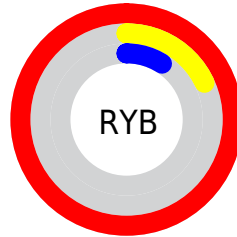
The XYZ color **42.2487, 23.0457, 2.9806** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **47.7975, 66.2239, 104.8703**, and the grayscale version is **13.2392, 13.9287, 15.1683**.

A 20% lighter version of the original color is **48.1270, 33.1099, 10.1576**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.5462, 21.8728, 2.0322**, and if you desaturate by 10%, it is **43.7241, 25.3915, 5.3392**.

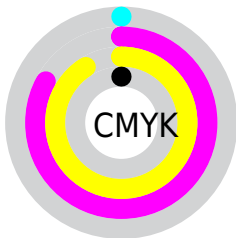
Distribution



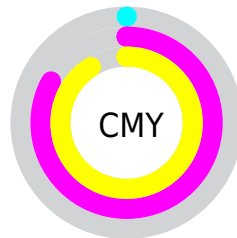
- Red (100%)
- Green (17%)
- Blue (9%)



- Red (100%)
- Yellow (18%)
- Blue (9%)



- Cyan (0%)
- Magenta (83%)
- Yellow (91%)
- Black (0%)




- Cyan (0%)
- Magenta (83%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2487, 23.0457, 2.9806 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 42.2487, 23.0457, 2.9806 by changing the saturation by 10% instead.


 42.2487, 23.0457,
2.9806

 42.2487, 23.0457,
2.9806


346.4870,
267.9596, 136.1132


 29.4880, 14.6273,
1.0847


 77.8387, 48.4684,
11.5805


 19.5965, 8.5582,
0.0000


 101.3987, 66.2414,
19.1217


 12.2086, 4.4542,
0.0000


 129.2893, 87.9013,
29.3817

 6.9591, 1.9307,
0.0000

 161.8757,
113.8327, 42.7790

 3.4826, 0.5667,
0.0000

 199.5233,
144.4198, 59.7323


 1.4138, 0.0000,
0.0000

 242.5975,


 0.2661, 0.0000,

180.0470, 80.6601


0.0000


 291.4636,
221.0989, 105.9808


 0.0000, 0.0000,
0.0000


 42.2487, 23.0457,
2.9806


 42.2487, 23.0457,
2.9806


 41.5462, 21.8728,
2.0322

 43.7241, 25.3915,
5.3392

 46.0498, 28.9560,
9.4656

 49.3309, 33.8769,
15.6187

 53.6567, 40.2727,
24.0147

 59.1061, 48.2487,
34.8418

65.7504, 57.9005,
48.2687

73.6551, 69.3163,
64.4486

82.8808, 82.5780,
83.5232

93.4842, 97.7622,
105.6243

Harmonies

Analogous

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



49.6587, 23.0457, 16.2782



42.2487, 23.0457, 2.9806



29.9817, 23.0457, 0.2463

Triad

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



42.2487, 23.0457, 2.9806



7.5609, 23.0457, 9.5321



25.6283, 23.0457, 142.5203

Complementary

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



42.2487, 23.0457, 2.9806



47.7975, 66.2239, 104.8703

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.



15.4259, 23.0457, 133.6303



42.2487, 23.0457, 2.9806



7.0813, 23.0457, 36.6243

Square

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



42.2487, 23.0457, 2.9806



11.0737, 23.0457, 1.4661



9.4349, 23.0457, 86.1244



38.1705, 23.0457, 105.1039

Rectangle

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



42.2487, 23.0457, 2.9806



22.0065, 23.0457, 0.0000



9.4349, 23.0457, 86.1244



21.8023, 23.0457, 145.2727

Sweetspot

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



42.2492, 23.0471, 2.9809



69.0480, 62.6698, 54.9953



56.6063, 27.8656, 81.4344



14.2235, 12.6105, 10.6371



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.



42.2492, 23.0471, 2.9809



41.5465, 21.8730, 2.0322



53.5972, 45.7431, 6.7636



18.1411, 18.2504, 18.7109



21.7532, 11.5176, 1.0766



2.1606, 1.2065, 0.1190

Inverse Universe

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



47.7975, 66.2239, 104.8703



46.9050, 64.9301, 104.6683



24.9876, 20.6042, 97.2670



18.4065, 20.1846, 23.1758



24.5668, 34.0431, 54.7108



2.4313, 3.3933, 5.3401

Previews

White Background



This preview shows how the XYZ color 42.2487, 23.0457, 2.9806 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 42.2487, 23.0457, 2.9806 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 42.2487, 23.0457, 2.9806

Background



This preview shows how black text looks on a background with the XYZ color 42.2487, 23.0457, 2.9806.



This preview shows how white text looks on a background with the XYZ color 42.2487, 23.0457,

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

42.2487, 23.0457, 2.9806

Protanopia

21.0182, 23.2381, 5.5681

Deuteranopia

23.3972, 23.1372, 3.2328



Tritanopia

42.4510, 23.0691, 4.2229

Trichromacy



Original Color

42.2487, 23.0457, 2.9806

Protanomaly

25.3541, 19.8005, 4.0757

Deuteranomaly

27.7799, 20.5254, 2.7274

Tritanomaly

42.3425, 23.0257, 3.6516

Monochromacy



Original Color

42.2487, 23.0457, 2.9806

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

18.5514, 13.8999, 8.1838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2487, 23.0457, 2.9806 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, 43, 22)` looks like.

```
.text, #text, p{  
    color:rgb(255, 43, 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, 43, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 43, 22) }
```

Border

The CSS property to change the border of an element to XYZ 42.2487, 23.0457, 2.9806 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, 43, 22) }
```


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

```
.border{ border-color:rgb(255, 43, 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, 43, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 43, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 43, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 43,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2487, 23.0457, 2.9806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 43, 22) }
```

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

```
.background{ background-color: rgb(255, 43,  
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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