

Converting Colors

XYZ(38.4503, 23.0741, 6.6294)

Have a look what the booklet for
XYZ(38.4503, 23.0741, 6.6294)
contains.

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Color

**XYZ(38.3026, 22.9994,
6.5582)**

Conversions

Conversions Part 1

Format	Color
Hex	EE473B
RGB	238, 71, 59
RGB Percent	93%, 28%, 23%
CMY	0.0667, 0.7215, 0.7686
CMYK	0.00, 0.70, 0.75, 0.07
HSL	4°, 84%, 58%
HSV	4°, 75%, 93%
XYZ	38.3026, 22.9994, 6.5582
YIQ	119.5650, 103.3840, 31.6720

Conversions

Conversions Part 2

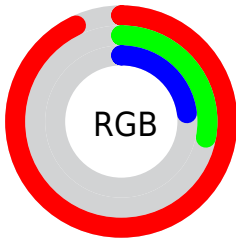
Format	Color
R_{YB}	238, 72, 59
Decimal	15615803
CIE _{Lab}	55.07, 62.97, 44.14
CIE _{LCh}	55, 76.903, 35.027
Yxy	22.9994, 0.5644, 0.3389
Android (android.graphics.Color)	4293805883 (0xFFEE473B)
YUV	119.5650, -29.8585, 103.8675
Hunter-Lab	47.9577, 58.6375, 25.4625

Details

The XYZ color **38.3026, 22.9994, 6.5582** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **44.4295, 61.4893, 90.4154**, and the grayscale version is **17.7843, 18.7104, 20.3756**.

A 20% lighter version of the original color is **51.7441, 38.0221, 18.5217**, and **17.5348, 9.0304, 1.2343** is the 20% darker color. If you saturate the color by 10%, you get **36.6564, 20.4802, 3.6268**, and if you desaturate by 10%, it is **40.7466, 26.6649, 11.1426**.

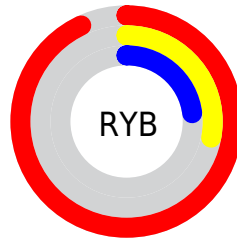
Distribution



Red (93%)

Green (28%)

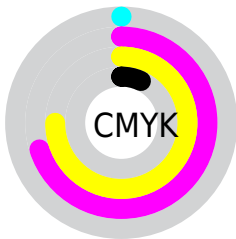
Blue (23%)



Red (93%)

Yellow (28%)

Blue (23%)

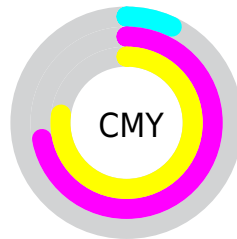


Cyan (0%)

Magenta (70%)

Yellow (75%)

Black (7%)



Cyan (7%)


Magenta (72%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3026, 22.9994, 6.5582 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 38.3026, 22.9994, 6.5582 by changing the saturation by 10% instead.


 38.3026, 22.9994,
6.5582


 38.3026, 22.9994,
6.5582


330.1747,
267.7219, 173.4297

 26.3959, 14.5931,
3.1131


 71.8726, 48.3923,
19.5763

 17.2543, 8.5343,
1.1527


 94.2667, 66.1477,
29.9863

 10.5124, 4.4387,
0.0000


 120.8872, 87.7883,
43.5552

 5.8048, 1.9219,
0.0000

 152.0996,
113.6984, 60.7013

 2.7663, 0.5615,
0.0000

 188.2692,
144.2624, 81.8433

 1.0314, 0.0000,
0.0000

 229.7613,

 0.0000, 0.0000,

179.8647, 107.3997

0.0000

276.9414,
220.8897, 137.7889

■ 38.3026, 22.9994,
6.5582

■ 38.3026, 22.9994,
6.5582

■ 36.6564, 20.4802,
3.6268

■ 40.7466, 26.6649,
11.1426

■ 35.7054, 18.9680,
2.1082

■ 44.0710, 31.5871,
17.5741


■ 35.4446, 18.5467,
1.7117


■ 48.3500, 37.8677,
26.0212


■ 53.6494, 45.5972,
36.6330

■ 60.0290, 54.8581,
49.5445

 67.5441, 65.7267,
64.8798

 76.2464, 78.2742,
82.7541

 86.1841, 92.5677,
103.2751

 89.0697, 96.9170,
108.6201

Harmonies

Analogous

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



42.7028, 22.9994, 21.1339



38.3026, 22.9994, 6.5582



29.5734, 22.9994, 2.0062

Triad

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



38.3026, 22.9994, 6.5582



10.0749, 22.9994, 9.9452



23.3348, 22.9994, 107.4913

Complementary

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



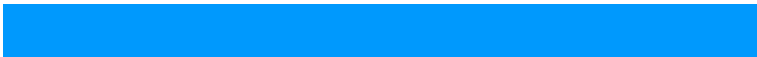
38.3026, 22.9994, 6.5582



44.4295, 61.4893, 90.4154

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.



15.6204, 22.9994, 96.7100



38.3026, 22.9994, 6.5582



9.2198, 22.9994, 29.4054

Square

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



38.3026, 22.9994, 6.5582



13.7071, 22.9994, 2.8761



10.9604, 22.9994, 63.0226



32.7363, 22.9994, 86.8924

Rectangle

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



38.3026, 22.9994, 6.5582



23.3186, 22.9994, 1.3183



10.9604, 22.9994, 63.0226



20.4640, 22.9994, 107.5016

Sweetspot

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



38.3031, 23.0008, 6.5586



71.9642, 66.7024, 61.5156



50.5603, 26.7997, 74.5072



14.7702, 13.3599, 11.8797



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.



38.3031, 23.0008, 6.5586



42.2104, 22.9113, 3.1458



48.6952, 43.7849, 10.0226



15.8579, 15.9290, 16.3885



19.8069, 10.4118, 0.9657



1.6773, 0.9254, 0.0902

Inverse Universe

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



44.4295, 61.4893, 90.4154



49.5059, 69.5183, 105.4169



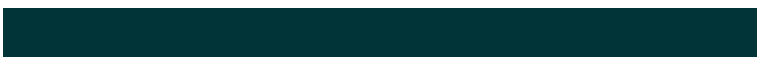
26.1204, 24.8712, 84.3124



16.1513, 17.7367, 20.2939



23.2258, 32.6758, 50.2108



1.9593, 2.7726, 4.1861

Previews

White Background



This preview shows how the XYZ color 38.3026, 22.9994, 6.5582 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 38.3026, 22.9994, 6.5582 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 38.3026, 22.9994, 6.5582

Background



This preview shows how black text looks on a background with the XYZ color 38.3026, 22.9994, 6.5582.



This preview shows how white text looks on a background with the XYZ color 38.3026, 22.9994,

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

38.3026, 22.9994, 6.5582

Protanopia

21.3035, 23.0723, 10.5383

Deuteranopia

23.5114, 23.1344, 6.0225



Tritanopia

38.5577, 22.9013, 8.5191

Trichromacy



Original Color

38.3026, 22.9994, 6.5582

Protanomaly

25.3037, 21.1905, 8.7178

Deuteranomaly

27.5121, 21.7625, 5.9993

Tritanomaly

38.4632, 22.9627, 7.7152

Monochromacy



Original Color

38.3026, 22.9994, 6.5582

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

22.0602, 18.1711, 13.8999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3026, 22.9994, 6.5582 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(238, 71, 59)` looks like.

```
.text, #text, p{  
    color:rgb(238, 71, 59)  
}
```

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(238, 71, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 71, 59) }
```

Border

The CSS property to change the border of an element to XYZ 38.3026, 22.9994, 6.5582 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(238, 71, 59) }
```


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

```
.border{ border-color:rgb(238, 71, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 71, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 71, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 71, 59);  
box-shadow:4px 4px 4px 4px rgb(238, 71,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3026, 22.9994, 6.5582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 71, 59) }
```

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

```
.background{ background-color: rgb(238, 71,  
59) }
```

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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