

Converting Colors

XYZ(40.7202, 22.8706, 5.8827)

Have a look what the booklet for
XYZ(40.7202, 22.8706, 5.8827)
contains.

XYZ(40.7202, 22.8706, 5.8827)	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(40.7202, 22.8706,
5.8827)**

Conversions

Conversions Part 1

Format	Color
Hex	F83637
RGB	248, 54, 55
RGB Percent	97%, 21%, 22%
CMY	0.0275, 0.7882, 0.7843
CMYK	0.00, 0.78, 0.78, 0.03
HSL	360°, 93%, 59%
HSV	360°, 78%, 97%
XYZ	40.7202, 22.8706, 5.8827
YIQ	112.1200, 115.3030, 41.4390

Conversions

Conversions Part 2

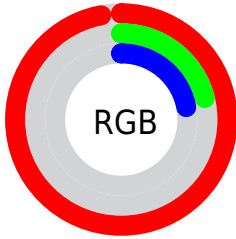
Format	Color
R_{YB}	248, 54, 55
Decimal	16266807
CIE Lab	54.94, 71.16, 46.70
CIE LCh	55, 85.115, 33.276
Yxy	22.8706, 0.5861, 0.3292
Android (android.graphics.Color)	4294456887 (0xFFFF83637)
YUV	112.1200, -28.1602, 119.1668
Hunter-Lab	47.8232, 68.2974, 26.1830

Details

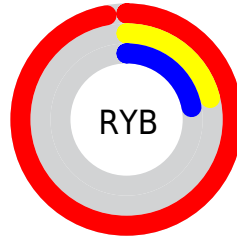
The XYZ color **40.7202, 22.8706, 5.8827** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **51.8801, 74.6355, 99.6792**, and the grayscale version is **15.4947, 16.3016, 17.7525**.

A 20% lighter version of the original color is **50.0495, 34.9619, 16.9424**, and **19.3462, 9.9670, 1.1913** is the 20% darker color. If you saturate the color by 10%, you get **39.3944, 20.9411, 3.2160**, and if you desaturate by 10%, it is **42.9299, 26.0962, 10.3010**.

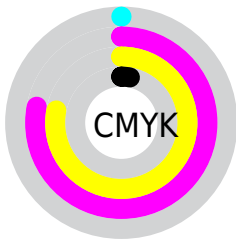
Distribution



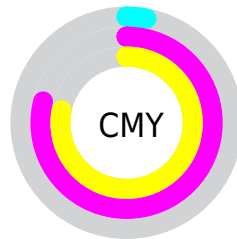
- Red (97%)
- Green (21%)
- Blue (22%)



- Red (97%)
- Yellow (21%)
- Blue (22%)



- Cyan (0%)
- Magenta (78%)
- Yellow (78%)
- Black (3%)





- Cyan (3%)
- Magenta (79%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7202, 22.8706, 5.8827 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 40.7202, 22.8706, 5.8827 by changing the saturation by 10% instead.


 40.7202, 22.8706,
5.8827


 40.7202, 22.8706,
5.8827

340.2324,
267.0597, 167.2893


 28.2872, 14.4980,
2.7063


 75.5364, 48.1808,
18.1604


 18.6838, 8.4678,
0.9466


 98.6503, 65.8871,
28.0987


 11.5447, 4.3957,
0.0000


 126.0552, 87.4735,
41.1280

 6.5044, 1.8973,
0.0000

 158.1165,
113.3243, 57.6670

 3.1977, 0.5468,
0.0000

 195.1995,
143.8239, 78.1340

 1.2592, 0.0000,
0.0000

 237.6696,

 0.1523, 0.0000,

179.3568, 102.9477

0.0000

285.8921,
220.3072, 132.5266

■ 0.0000, 0.0000,
0.0000

■ 40.7202, 22.8706,
5.8827

■ 40.7202, 22.8706,
5.8827

■ 39.3944, 20.9411,
3.2160

■ 42.9299, 26.0962,
10.3010

■ 38.7901, 20.0646,
1.9907

■ 46.1394, 30.7864,
16.7003

■ 38.7181, 19.9591,
1.8480

■ 50.4487, 37.0889,
25.2768

■ 55.9453, 45.1325,
36.2024

■ 62.7079, 55.0326,
49.6322

70.8084, 66.8950,
65.7080

80.3135, 80.8176,
84.5607

91.2852, 96.8915,
106.3130

92.5212, 98.6964,
108.7817

Harmonies

Analogous

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



45.3642, 22.8706, 22.0479



40.7202, 22.8706, 5.8827



30.9656, 22.8706, 1.3496

Triad

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



40.7202, 22.8706, 5.8827



9.2211, 22.8706, 8.0763



22.7918, 22.8706, 121.2180

Complementary

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



40.7202, 22.8706, 5.8827



51.8801, 74.6355, 99.6792

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.



14.5538, 22.8706, 106.1803



40.7202, 22.8706, 5.8827



8.1846, 22.8706, 27.9928

Square

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



40.7202, 22.8706, 5.8827



13.2216, 22.8706, 1.8213



9.8192, 22.8706, 65.7044



33.2964, 22.8706, 98.5584

Rectangle

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



40.7202, 22.8706, 5.8827



23.9333, 22.8706, 0.7126



9.8192, 22.8706, 65.7044



19.6809, 22.8706, 120.4366

Sweetspot

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



40.7207, 22.8720, 5.8830



71.0967, 64.9130, 61.3942



55.8378, 28.7876, 91.4200



14.5678, 12.9426, 11.8513



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.



40.7207, 22.8720, 5.8830



41.5125, 21.6492, 2.5015



49.9320, 41.3320, 8.8381



17.2482, 17.2267, 17.8970



20.9172, 10.7826, 1.0063



1.9385, 0.9991, 0.0996

Inverse Universe

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



40.7207, 22.8720, 5.8830



41.5125, 21.6492, 2.5015



30.0607, 30.7527, 93.1580



17.2482, 17.2267, 17.8970



20.9172, 10.7826, 1.0063



1.9385, 0.9991, 0.0996

Previews

White Background



This preview shows how the XYZ color 40.7202, 22.8706, 5.8827 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 40.7202, 22.8706, 5.8827 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 40.7202, 22.8706, 5.8827

Background



This preview shows how black text looks on a background with the XYZ color 40.7202, 22.8706, 5.8827.



This preview shows how white text looks on a background with the XYZ color 40.7202, 22.8706,

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

40.7202, 22.8706, 5.8827

Protanopia

21.1280, 22.9819, 10.5301

Deuteranopia

23.2337, 22.8198, 5.1876



Tritanopia

40.7202, 22.8706, 5.8827

Trichromacy



Original Color

40.7202, 22.8706, 5.8827

Protanomaly

25.3472, 20.2879, 8.3744

Deuteranomaly

27.4412, 20.7152, 5.0348

Tritanomaly

40.7202, 22.8706, 5.8827

Monochromacy



Original Color

40.7202, 22.8706, 5.8827

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

20.3274, 15.8146, 11.8787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7202, 22.8706, 5.8827 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(248, 54, 55)` looks like.

```
.text, #text, p{  
    color:rgb(248, 54, 55)  
}
```

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(248, 54, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 54, 55) }
```

Border

The CSS property to change the border of an element to XYZ 40.7202, 22.8706, 5.8827 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(248, 54, 55) }
```


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

```
.border{ border-color:rgb(248, 54, 55) }
```

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

Here you see how a box with a 4 pixel rgb(248, 54, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 54, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 54, 55);  
box-shadow:4px 4px 4px 4px rgb(248, 54,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7202, 22.8706, 5.8827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 54, 55) }
```

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

```
.background{ background-color: rgb(248, 54,  
55) }
```

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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