

Converting Colors

XYZ(40.5252, 23.7410, 11.6952)

Have a look what the booklet for
XYZ(40.5252, 23.7410, 11.6952)
contains.

| | |
|------------------------------------------------|----|
| XYZ(40.4465, 23.7161, 11.6784) | 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(40.4465, 23.7161,
11.6784)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | F24458 |
| RGB | 242, 68, 88 |
| RGB Percent | 95%, 27%, 35% |
| CMY | 0.0510, 0.7333, 0.6549 |
| CMYK | 0.00, 0.72, 0.64, 0.05 |
| HSL | 353°, 87%, 61% |
| HSV | 353°, 72%, 95% |
| XYZ | 40.4465, 23.7161, 11.6784 |
| YIQ | 122.3060, 97.2840, 43.1080 |

Conversions

Conversions Part 2

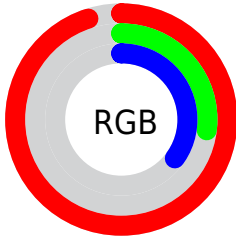
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 242, 68, 88 |
| Decimal | 15877208 |
| CIE _{Lab} | 55.80, 66.59, 28.77 |
| CIE _{LCh} | 56, 72.540, 23.368 |
| Yxy | 23.7161, 0.5333, 0.3127 |
| Android (android.graphics.Color) | 4294067288 (0xFFFF24458) |
| YUV | 122.3060, -16.9129, 104.9716 |
| Hunter-Lab | 48.6992, 63.0274, 19.8713 |

Details

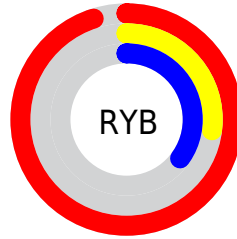
The XYZ color **40.4465, 23.7161, 11.6784** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle washed red. A complement of this color would be **47.3230, 70.0078, 80.1340**, and the grayscale version is **18.6317, 19.6020, 21.3465**.

A 20% lighter version of the original color is **53.5466, 38.5333, 28.6602**, and **19.0265, 9.7581, 3.1662** is the 20% darker color. If you saturate the color by 10%, you get **38.5120, 21.0648, 7.2806**, and if you desaturate by 10%, it is **43.2463, 27.6815, 17.6507**.

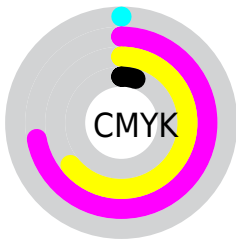
Distribution



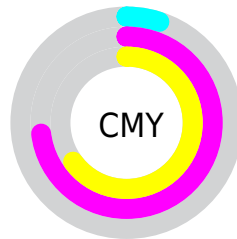
- Red (95%)
- Green (27%)
- Blue (35%)



- Red (95%)
- Yellow (27%)
- Blue (35%)



- Cyan (0%)
- Magenta (72%)
- Yellow (64%)
- Black (5%)





- Cyan (5%)
- Magenta (73%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4465, 23.7161, 11.6784 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 40.4465, 23.7161, 11.6784 by changing the saturation by 10% instead.


 40.4465, 23.7161,
11.6784


 40.4465, 23.7161,
11.6784

339.1042,
271.3820, 213.1662


 28.0726, 15.1232,
6.4052


 75.1230, 49.5665,
29.5636

 18.5211, 8.9059,
3.0203


 98.1563, 67.5928,
43.0127


 11.4267, 4.6798,
1.1050


 125.4734, 89.5323,
60.0242

 6.4240, 2.0607,
0.0000

 157.4397,
115.7694, 81.0166

 3.1477, 0.6424,
0.0000

 194.4206,
146.6885, 106.4084

 1.2323, 0.0000,
0.0000

236.7814,

 0.1317, 0.0000,

182.6741, 136.6183

0.0000

284.8875,
224.1105, 172.0647

■ 0.0000, 0.0000,
0.0000

■ 40.4465, 23.7161,
11.6784

■ 40.4465, 23.7161,
11.6784

■ 38.5120, 21.0648,
7.2806

■ 43.2463, 27.6815,
17.6507

■ 37.3378, 19.5546,
4.3054


■ 46.9967, 33.0976,
25.3274


■ 36.8249, 18.9600,
2.8049


■ 51.7743, 40.0883,
34.8265

■ 57.6478, 48.7633,
46.2548

■ 64.6795, 59.2223,
59.7109

 72.9273, 71.5573,
75.2866

 82.4451, 85.8539,
93.0682

 90.4277, 97.6171,
108.6837

Harmonies

Analogous

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



42.2354, 23.7161, 31.4280



40.4465, 23.7161, 11.6784



33.3830, 23.7161, 3.8395

Triad

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



40.4465, 23.7161, 11.6784



12.0644, 23.7161, 7.1039



20.7600, 23.7161, 102.2482

Complementary

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



40.4465, 23.7161, 11.6784



47.3230, 70.0078, 80.1340

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.



14.3451, 23.7161, 82.0645



40.4465, 23.7161, 11.6784



10.1784, 23.7161, 20.9271

Square

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



40.4465, 23.7161, 11.6784



16.8210, 23.7161, 2.5481



10.8975, 23.7161, 48.3364



29.4308, 23.7161, 93.9259

Rectangle

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



40.4465, 23.7161, 11.6784



27.3892, 23.7161, 2.1781



10.8975, 23.7161, 48.3364



18.3024, 23.7161, 98.3071

Sweetspot

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



40.4471, 23.7175, 11.6788



72.7016, 66.4853, 66.9772



48.1274, 26.0289, 86.4913



15.0730, 13.5031, 13.4064



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.



40.4471, 23.7175, 11.6788



42.7013, 22.8394, 6.5577



46.2847, 36.5411, 10.0845



15.8466, 15.7884, 16.7486



19.8077, 10.1955, 1.6379



1.6718, 0.8578, 0.2625

Inverse Universe

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



40.4471, 23.7175, 11.6788



42.7013, 22.8394, 6.5577



33.8010, 38.4187, 89.6379



15.8466, 15.7884, 16.7486



19.8077, 10.1955, 1.6379



1.6718, 0.8578, 0.2625

Previews

White Background



This preview shows how the XYZ color 40.4465, 23.7161, 11.6784 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 40.4465, 23.7161, 11.6784 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 40.4465, 23.7161, 11.6784

Background



This preview shows how black text looks on a background with the XYZ color 40.4465, 23.7161, 11.6784.



This preview shows how white text looks on a background with the XYZ color 40.4465, 23.7161,

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

40.4465, 23.7161, 11.6784

Protanopia

22.6041, 23.9507, 19.6512

Deuteranopia

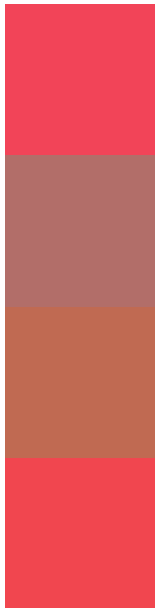
24.2347, 23.7894, 10.7116



Tritanopia

39.7649, 23.7017, 8.9576

Trichromacy



Original Color

40.4465, 23.7161, 11.6784

Protanomaly

26.4858, 21.6368, 16.1450

Deuteranomaly

28.4153, 22.1237, 10.7553

Tritanomaly

39.8771, 23.6456, 9.8594

Monochromacy



Original Color

40.4465, 23.7161, 11.6784

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

23.2917, 18.7355, 17.1406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4465, 23.7161, 11.6784 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(242, 68, 88)` looks like.

```
.text, #text, p{  
    color:rgb(242, 68, 88)  
}
```

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(242, 68, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 68, 88) }
```

Border

The CSS property to change the border of an element to XYZ 40.4465, 23.7161, 11.6784 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(242, 68, 88) }
```


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

```
.border{ border-color:rgb(242, 68, 88) }
```

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

Here you see how a box with a 4 pixel rgb(242, 68, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 68, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 68, 88);  
box-shadow:4px 4px 4px 4px rgb(242, 68,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4465, 23.7161, 11.6784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 68, 88) }
```

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

```
.background{ background-color: rgb(242, 68,  
88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor