

Converting Colors

XYZ(39.6460, 23.1328, 11.7778)

Have a look what the booklet for
XYZ(39.6460, 23.1328, 11.7778)
contains.

| | |
|--|----|
| XYZ(39.6866, 23.1430, 11.8265) | 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(39.6866, 23.1430,
11.8265)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | F04259 |
| RGB | 240, 66, 89 |
| RGB Percent | 94%, 26%, 35% |
| CMY | 0.0588, 0.7411, 0.6510 |
| CMYK | 0.00, 0.72, 0.63, 0.06 |
| HSL | 352°, 85%, 60% |
| HSV | 352°, 72%, 94% |
| XYZ | 39.6866, 23.1430, 11.8265 |
| YIQ | 120.6480, 96.3210, 44.0410 |

Conversions

Conversions Part 2

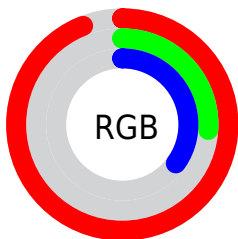
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 240, 66, 89 |
| Decimal | 15745625 |
| CIE _{Lab} | 55.22, 66.73, 27.37 |
| CIE _{LCh} | 55, 72.127, 22.298 |
| Yxy | 23.1430, 0.5316, 0.3100 |
| Android (android.graphics.Color) | 4293935705 (0xFFFF04259) |
| YUV | 120.6480, -15.6025, 104.6717 |
| Hunter-Lab | 48.1072, 63.0682, 19.0994 |

Details

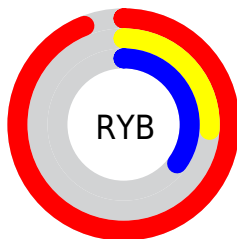
The XYZ color **39.6866, 23.1430, 11.8265** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed red. A complement of this color would be **45.9335, 68.4889, 76.4523**, and the grayscale version is **18.0890, 19.0310, 20.7248**.

A 20% lighter version of the original color is **53.3611, 38.0458, 28.9572**, and **18.5861, 9.5290, 3.2425** is the 20% darker color. If you saturate the color by 10%, you get **37.8120, 20.6015, 7.4799**, and if you desaturate by 10%, it is **42.3974, 26.9617, 17.6727**.

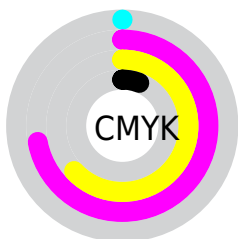
Distribution



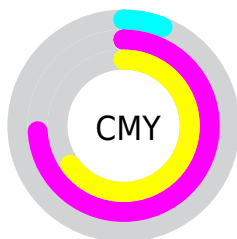
- Red (94%)
- Green (26%)
- Blue (35%)



- Red (94%)
- Yellow (26%)
- Blue (35%)



- Cyan (0%)
- Magenta (72%)
- Yellow (63%)
- Black (6%)




- Cyan (6%)
- Magenta (74%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.6866, 23.1430, 11.8265 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 39.6866, 23.1430, 11.8265 by changing the saturation by 10% instead.


 39.6866, 23.1430,
11.8265


 39.6866, 23.1430,
11.8265


335.9580,
268.4586, 214.1903


 27.4774, 14.6991,
6.5045


 73.9734, 48.6280,
29.8384


 18.0705, 8.6085,
3.0805


 96.7818, 66.4380,
43.3654


 11.1006, 4.4867,
1.1359


 123.8538, 88.1387,
60.4645

 6.2023, 1.9494,
0.0000

 155.5550,
114.1147, 81.5542

 3.0103, 0.5778,
0.0000

 192.2507,
144.7503, 107.0531

 1.1592, 0.0000,
0.0000

234.3062,

 0.0738, 0.0000,

180.4299, 137.3797

0.0000

282.0868,
221.5379, 172.9526

■ 0.0000, 0.0000,
0.0000

■ 39.6866, 23.1430,
11.8265

■ 39.6866, 23.1430,
11.8265

■ 37.8120, 20.6015,
7.4799

■ 42.3974, 26.9617,
17.6727

■ 36.6715, 19.1662,
4.4923


■ 46.0273, 32.1921,
25.1393


■ 36.1918, 18.6279,
3.0339


■ 50.6509, 38.9559,
34.3358

■ 56.3343, 47.3609,
45.3617

■ 63.1384, 57.5049,
58.3090

 71.1190, 69.4782,
73.2634

 80.3283, 83.3646,
90.3056

 89.7450, 97.2652,
108.6517

Harmonies

Analogous

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



41.2169, 23.1430, 31.6305



39.6866, 23.1430, 11.8265



32.9064, 23.1430, 3.8642

Triad

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



39.6866, 23.1430, 11.8265



11.8684, 23.1430, 6.6299



19.9836, 23.1430, 99.7874

Complementary

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



39.6866, 23.1430, 11.8265



45.9335, 68.4889, 76.4523

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.



13.8119, 23.1430, 79.1895



39.6866, 23.1430, 11.8265



9.9316, 23.1430, 19.7040

Square

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



39.6866, 23.1430, 11.8265



16.6226, 23.1430, 2.3977



10.5439, 23.1430, 46.0812



28.4197, 23.1430, 92.6556

Rectangle

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



39.6866, 23.1430, 11.8265



27.0560, 23.1430, 2.1527



10.5439, 23.1430, 46.0812



17.6111, 23.1430, 95.5878

Sweetspot

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



39.6871, 23.1444, 11.8269



72.8190, 66.5323, 67.5956



46.2333, 24.9104, 84.8091



15.1002, 13.5140, 13.5494



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.



39.6871, 23.1444, 11.8269



42.6703, 22.7089, 6.7584



44.8758, 34.8329, 9.5144



15.8578, 15.7928, 16.8074



19.8390, 10.2080, 1.8030



1.6771, 0.8599, 0.2904

Inverse Universe

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



39.6871, 23.1444, 11.8269



42.6703, 22.7089, 6.7584



33.5411, 38.5808, 88.1167



15.8578, 15.7928, 16.8074



19.8390, 10.2080, 1.8030



1.6771, 0.8599, 0.2904

Previews

White Background



This preview shows how the XYZ color 39.6866, 23.1430, 11.8265 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 39.6866, 23.1430, 11.8265 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 39.6866, 23.1430, 11.8265

Background



This preview shows how black text looks on a background with the XYZ color 39.6866, 23.1430, 11.8265.

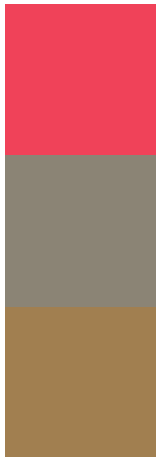


This preview shows how white text looks on a background with the XYZ color 39.6866, 23.1430,

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

39.6866, 23.1430, 11.8265

Protanopia

22.1096, 23.2759, 20.1570

Deuteranopia

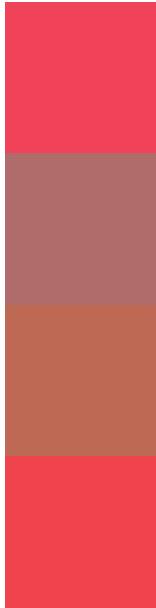
23.7353, 23.3350, 10.8425



Tritanopia

38.8944, 23.0748, 8.5348

Trichromacy



Original Color

39.6866, 23.1430, 11.8265

Protanomaly

25.9209, 21.0168, 16.6004

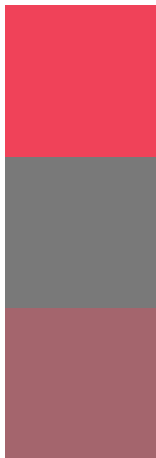
Deuteranomaly

27.8481, 21.6748, 10.8995

Tritanomaly

39.0389, 23.0350, 9.5964

Monochromacy



Original Color

39.6866, 23.1430, 11.8265

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

22.7238, 18.3040, 16.8033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6866, 23.1430, 11.8265 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(240, 66, 89)` looks like.

```
.text, #text, p{  
    color:rgb(240, 66, 89)  
}
```

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(240, 66, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 66, 89) }
```

Border

The CSS property to change the border of an element to XYZ 39.6866, 23.1430, 11.8265 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(240, 66, 89) }
```


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

```
.border{ border-color:rgb(240, 66, 89) }
```

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

Here you see how a box with a 4 pixel rgb(240, 66, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 66, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 66, 89);  
box-shadow:4px 4px 4px 4px rgb(240, 66,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6866, 23.1430, 11.8265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 66, 89) }
```

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

```
.background{ background-color: rgb(240, 66,  
89) }
```

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