

Converting Colors

XYZ(42.2225, 25.8634, 13.0987)

Have a look what the booklet for
XYZ(42.2225, 25.8634, 13.0987)
contains.

XYZ(42.2264, 25.9083, 13.1311)	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(42.2264, 25.9083,
13.1311)**

Conversions

Conversions Part 1

Format	Color
Hex	F4515D
RGB	244, 81, 93
RGB Percent	96%, 32%, 36%
CMY	0.0431, 0.6823, 0.6353
CMYK	0.00, 0.67, 0.62, 0.04
HSL	356°, 88%, 64%
HSV	356°, 67%, 96%
XYZ	42.2264, 25.9083, 13.1311
YIQ	131.1050, 93.2960, 38.2880

Conversions

Conversions Part 2

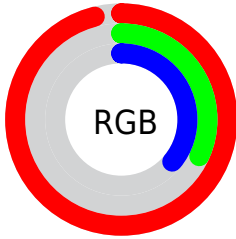
Format	Color
R_YB	244, 81, 93
Decimal	16011613
CIE Lab	57.95, 62.77, 28.69
CIE LCh	58, 69.016, 24.561
Yxy	25.9083, 0.5196, 0.3188
Android (android.graphics.Color)	4294201693 (0xFFFF4515D)
YUV	131.1050, -18.7858, 99.0089
Hunter-Lab	50.9002, 59.0068, 20.3347

Details

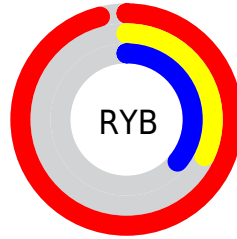
The XYZ color **42.2264, 25.9083, 13.1311** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **50.3116, 72.2775, 87.6505**, and the grayscale version is **21.6540, 22.7817, 24.8093**.

A 20% lighter version of the original color is **55.2864, 41.4201, 31.0676**, and **19.5909, 10.0724, 3.6009** is the 20% darker color. If you saturate the color by 10%, you get **39.8700, 22.5681, 8.1147**, and if you desaturate by 10%, it is **45.5310, 30.6718, 19.9235**.

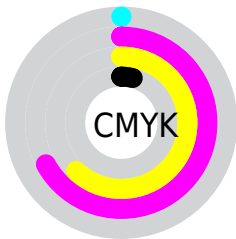
Distribution



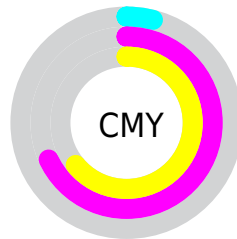
- Red (96%)
- Green (32%)
- Blue (36%)



- Red (96%)
- Yellow (32%)
- Blue (36%)



- Cyan (0%)
- Magenta (67%)
- Yellow (62%)
- Black (4%)





- Cyan (4%)
- Magenta (68%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2264, 25.9083, 13.1311 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 42.2264, 25.9083, 13.1311 by changing the saturation by 10% instead.


 42.2264, 25.9083,
13.1311


 42.2264, 25.9083,
13.1311


346.3963,
282.3316, 222.9934


 29.4705, 16.7551,
7.3871


 77.8052, 53.1270,
32.2337


 19.5831, 10.0600,
3.6233


 101.3588, 71.9612,
46.4295

 12.1989, 5.4388,
1.4210


 129.2423, 94.7912,
64.2795

 6.9524, 2.5069,
0.1580

 161.8211,
122.0014, 86.2024

 3.4784, 0.8801,
0.0000

199.4605,
153.9761, 112.6167

 1.4115, 0.0000,
0.0000

242.5260,

 0.2644, 0.0000,

191.0998, 143.9410

0.0000

291.3828,
233.7568, 180.5937

■ 0.0000, 0.0000,
0.0000

■ 42.2264, 25.9083,
13.1311

■ 42.2264, 25.9083,
13.1311

■ 39.8700, 22.5681,
8.1147

■ 45.5310, 30.6718,
19.9235

■ 38.3594, 20.4891,
4.7067

■ 49.8682, 36.9890,
28.6360


■ 37.5702, 19.4735,
2.7088


■ 55.3152, 44.9805,
39.3997


■ 37.4167, 19.2765,
2.3187

■ 61.9413, 54.7538,
52.3336

■ 69.8101, 66.4074,
67.5475

 78.9808, 80.0326,
85.1439

 89.5087, 95.7147,
105.2191

 91.1180, 97.9730,
108.7160

Harmonies

Analogous

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



44.2275, 25.9083, 32.7783



42.2264, 25.9083, 13.1311



35.1130, 25.9083, 4.9271

Triad

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



42.2264, 25.9083, 13.1311



13.7567, 25.9083, 9.1123



23.1399, 25.9083, 102.8023

Complementary

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



42.2264, 25.9083, 13.1311



50.3116, 72.2775, 87.6505

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.



16.4660, 25.9083, 84.4130



42.2264, 25.9083, 13.1311



11.8872, 25.9083, 24.0867

Square

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



42.2264, 25.9083, 13.1311



18.5567, 25.9083, 3.6911



12.7537, 25.9083, 51.8572



31.8902, 25.9083, 93.7541

Rectangle

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



42.2264, 25.9083, 13.1311



29.1334, 25.9083, 3.0853



12.7537, 25.9083, 51.8572



20.6076, 25.9083, 99.4141

Sweetspot

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



42.2270, 25.9098, 13.1315



74.1875, 68.9876, 68.9202



52.0394, 29.3102, 88.5020



15.3519, 13.9852, 13.7325



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.



42.2270, 25.9098, 13.1315



43.4074, 24.0211, 7.5039



49.5288, 41.2977, 13.1476



16.5486, 16.5023, 17.3694



20.3634, 10.4888, 1.3559



1.8066, 0.9286, 0.2079

Inverse Universe

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



42.2270, 25.9098, 13.1315



43.4074, 24.0211, 7.5039



35.2658, 39.3664, 91.3271



16.5486, 16.5023, 17.3694



20.3634, 10.4888, 1.3559



1.8066, 0.9286, 0.2079

Previews

White Background



This preview shows how the XYZ color 42.2264, 25.9083, 13.1311 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 42.2264, 25.9083, 13.1311 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 42.2264, 25.9083, 13.1311

Background



This preview shows how black text looks on a background with the XYZ color 42.2264, 25.9083, 13.1311.



This preview shows how white text looks on a background with the XYZ color 42.2264, 25.9083,

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

42.2264, 25.9083, 13.1311

Protanopia

24.5353, 25.9763, 20.8603

Deuteranopia

26.3894, 25.8660, 12.1961



Tritanopia

42.0458, 25.9558, 11.8107

Trichromacy



Original Color

42.2264, 25.9083, 13.1311

Protanomaly

28.5302, 24.0061, 17.5979

Deuteranomaly

30.5437, 24.4750, 12.3468

Tritanomaly

42.1287, 25.9890, 12.2471

Monochromacy



Original Color

42.2264, 25.9083, 13.1311

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

26.1293, 21.8653, 19.6729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2264, 25.9083, 13.1311 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(244, 81, 93)` looks like.

```
.text, #text, p{  
    color:rgb(244, 81, 93)  
}
```

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(244, 81, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 81, 93) }
```

Border

The CSS property to change the border of an element to XYZ 42.2264, 25.9083, 13.1311 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(244, 81, 93) }
```


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

```
.border{ border-color:rgb(244, 81, 93) }
```

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

Here you see how a box with a 4 pixel rgb(244, 81, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 81, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 81, 93);  
box-shadow:4px 4px 4px 4px rgb(244, 81,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2264, 25.9083, 13.1311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 81, 93) }
```

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

```
.background{ background-color: rgb(244, 81,  
93) }
```

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