

Converting Colors

XYZ(45.1936, 25.9873, 13.0510)

Have a look what the booklet for
XYZ(45.1936, 25.9873, 13.0510)
contains.

XYZ(45.1640, 25.9467, 12.9837)	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(45.1640, 25.9467,
12.9837)**

Conversions

Conversions Part 1

Format	Color
Hex	FF425D
RGB	255, 66, 93
RGB Percent	100%, 26%, 36%
CMY	0.0000, 0.7411, 0.6353
CMYK	0.00, 0.74, 0.64, 0.00
HSL	351°, 100%, 63%
HSV	351°, 74%, 100%
XYZ	45.1640, 25.9467, 12.9837
YIQ	125.5890, 103.9770, 48.4650

Conversions

Conversions Part 2

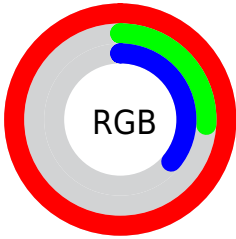
Format	Color
R _Y B	255, 66, 93
Decimal	16728669
CIE Lab	57.99, 71.26, 29.12
CIE LCh	58, 76.984, 22.227
Yxy	25.9467, 0.5371, 0.3085
Android (android.graphics.Color)	4294918749 (0xFFFF425D)
YUV	125.5890, -16.0664, 113.4934
Hunter-Lab	50.9379, 69.1254, 20.5439

Details

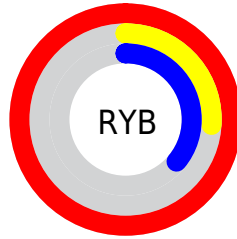
The XYZ color **45.1640, 25.9467, 12.9837** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed red. A complement of this color would be **52.0128, 78.2805, 85.7762**, and the grayscale version is **19.7216, 20.7487, 22.5953**.

A 20% lighter version of the original color is **53.9171, 38.6815, 30.6111**, and **21.9989, 11.2816, 3.7074** is the 20% darker color. If you saturate the color by 10%, you get **43.1579, 23.2691, 8.2018**, and if you desaturate by 10%, it is **48.1113, 30.0647, 19.4445**.

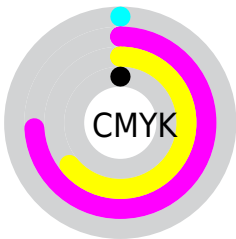
Distribution



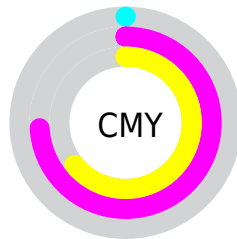
- Red (100%)
- Green (26%)
- Blue (36%)



- Red (100%)
- Yellow (26%)
- Blue (36%)



- Cyan (0%)
- Magenta (74%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (74%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1640, 25.9467, 12.9837 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 45.1640, 25.9467, 12.9837 by changing the saturation by 10% instead.


 45.1640, 25.9467,
12.9837


 45.1640, 25.9467,
12.9837

358.2099,
282.5203, 222.0173


 31.7885, 16.7838,
7.2867


 82.2020, 53.1889,
31.9653

 21.3547, 10.0804,
3.5609


 106.5952, 72.0371,
46.0869


 13.4975, 5.4523,
1.3877


 135.3916, 94.8823,
63.8539

 7.8513, 2.5150,
0.1321

 168.9566,
122.1092, 85.6847

 4.0510, 0.8841,
0.0000

 207.6556,
154.1020, 111.9979

 1.7310, 0.0000,
0.0000

251.8539,

 0.4756, 0.0000,

191.2453, 143.2121

0.0000

301.9169,
233.9232, 179.7457

■ 0.0000, 0.0000,
0.0000

■ 45.1640, 25.9467,
12.9837

■ 45.1640, 25.9467,
12.9837

■ 43.1579, 23.2691,
8.2018

■ 48.1113, 30.0647,
19.4445

■ 41.9712, 21.8261,
4.9379


■ 52.0978, 35.7837,
27.7219


■ 41.5646, 21.3898,
3.6403

■ 57.2107, 43.2475,
37.9407

■ 63.5275, 52.5831,
50.2139

■ 71.1189, 63.9054,
64.6460

 80.0500, 77.3199,
81.3343

 90.3813, 92.9250,
100.3700

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



46.9274, 25.9467, 35.7492



45.1640, 25.9467, 12.9837



37.2987, 25.9467, 4.0407

Triad

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



45.1640, 25.9467, 12.9837



13.0667, 25.9467, 7.0755



22.3241, 25.9467, 115.2756

Complementary

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



45.1640, 25.9467, 12.9837



52.0128, 78.2805, 85.7762

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.



15.2597, 25.9467, 91.0365



45.1640, 25.9467, 12.9837



10.8608, 25.9467, 21.8831

Square

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



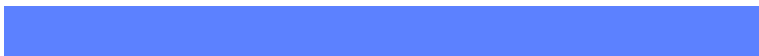
45.1640, 25.9467, 12.9837



18.5036, 25.9467, 2.4287



11.5480, 25.9467, 52.3539



32.0534, 25.9467, 106.9776

Rectangle

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



45.1640, 25.9467, 12.9837



30.5247, 25.9467, 2.1733



11.5480, 25.9467, 52.3539



19.6018, 25.9467, 110.3152

Sweetspot

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



45.1646, 25.9482, 12.9841



72.8920, 66.5615, 67.9803



51.5677, 27.3923, 97.1766



15.1171, 13.5208, 13.6384



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.



45.1646, 25.9482, 12.9841



42.4842, 22.4240, 6.4278



50.4964, 38.1990, 9.8680



18.1150, 18.0293, 19.2228



21.7502, 11.1894, 2.0692



2.1480, 1.1016, 0.3608

Inverse Universe

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



45.1646, 25.9482, 12.9841



42.4842, 22.4240, 6.4278



38.4639, 44.7113, 101.2102



18.1150, 18.0293, 19.2228



21.7502, 11.1894, 2.0692



2.1480, 1.1016, 0.3608

Previews

White Background



This preview shows how the XYZ color 45.1640, 25.9467, 12.9837 looks on a white background.

Color Contrast Check

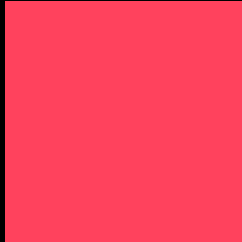
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.1640, 25.9467, 12.9837 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 45.1640, 25.9467, 12.9837

Background



This preview shows how black text looks on a background with the XYZ color 45.1640, 25.9467, 12.9837.



This preview shows how white text looks on a background with the XYZ color 45.1640, 25.9467,

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

45.1640, 25.9467, 12.9837

Protanopia

24.7248, 26.0315, 22.7902

Deuteranopia

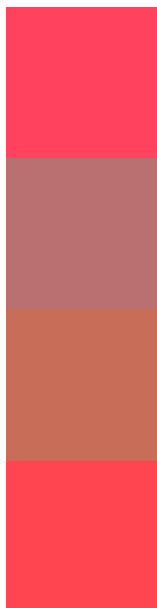
26.3110, 25.8346, 11.7834



Tritanopia

44.2658, 25.9322, 8.9757

Trichromacy



Original Color

45.1640, 25.9467, 12.9837

Protanomaly

29.0245, 23.2197, 18.5749

Deuteranomaly

31.0084, 23.9048, 11.9966

Tritanomaly

44.4491, 25.9063, 10.2471

Monochromacy



Original Color

45.1640, 25.9467, 12.9837

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

25.2212, 19.9998, 18.4506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1640, 25.9467, 12.9837 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(255, 66, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 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(255, 66, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 93) }
```

Border

The CSS property to change the border of an element to XYZ 45.1640, 25.9467, 12.9837 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(255, 66, 93) }
```


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

```
.border{ border-color:rgb(255, 66, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 66, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1640, 25.9467, 12.9837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 66, 93) }
```

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

```
.background{ background-color: rgb(255, 66,  
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](#).

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