

Converting Colors

XYZ(46.1223, 25.6461, 20.1388)

Have a look what the booklet for
XYZ(46.1223, 25.6461, 20.1388)
contains.

XYZ(46.1432, 25.6422, 20.2867)	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(46.1432, 25.6422,
20.2867)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3A78
RGB	255, 58, 120
RGB Percent	100%, 23%, 47%
CMY	0.0000, 0.7725, 0.5294
CMYK	0.00, 0.77, 0.53, 0.00
HSL	341°, 100%, 61%
HSV	341°, 77%, 100%
XYZ	46.1432, 25.6422, 20.2867
YIQ	123.9710, 97.5100, 61.0460

Conversions

Conversions Part 2

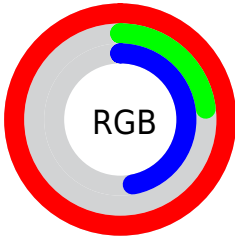
Format	Color
R_{YB}	255, 58, 120
Decimal	16726648
CIE _{Lab}	57.70, 75.32, 12.83
CIE _{LCh}	58, 76.401, 9.669
Yxy	25.6422, 0.5012, 0.2785
Android (android.graphics.Color)	4294916728 (0xFFFF3A78)
YUV	123.9710, -1.9577, 114.9124
Hunter-Lab	50.6381, 74.0386, 11.6939

Details

The XYZ color **46.1432, 25.6422, 20.2867** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **47.1330, 76.2706, 62.6984**, and the grayscale version is **19.1344, 20.1309, 21.9225**.

A 20% lighter version of the original color is **55.7694, 38.4045, 43.5032**, and **22.9079, 11.6743, 7.1769** is the 20% darker color. If you saturate the color by 10%, you get **44.1947, 23.2907, 14.8734**, and if you desaturate by 10%, it is **48.9223, 29.3455, 26.9322**.

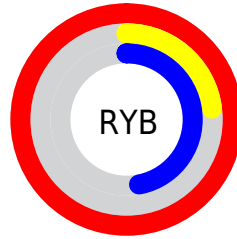
Distribution



Red (100%)

Green (23%)

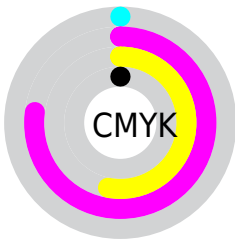
Blue (47%)



Red (100%)

Yellow (23%)

Blue (47%)

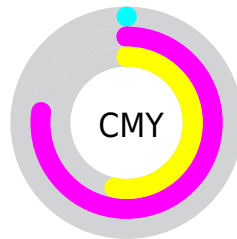


Cyan (0%)

Magenta (77%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (77%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1432, 25.6422, 20.2867 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 46.1432, 25.6422, 20.2867 by changing the saturation by 10% instead.


 46.1432, 25.6422,
20.2867


 46.1432, 25.6422,
20.2867

362.0904,
281.0212, 266.1184


 32.5639, 16.5562,
12.4175


 83.6598, 52.6972,
44.7626


 21.9502, 9.9186,
6.9027


 108.3279, 71.4349,
62.2064


 13.9367, 5.3450,
3.3238


 137.4229, 94.1586,
83.6787

 8.1581, 2.4511,
1.2622

 171.3103,
121.2527, 109.5982

 4.2489, 0.8520,
0.0305

 210.3554,
153.1017, 140.3834

 1.8439, 0.0000,
0.0000

254.9235,

 0.5439, 0.0000,

190.0898, 176.4528

0.0000

305.3801,
232.6015, 218.2249

■ 0.0000, 0.0000,
0.0000

■ 46.1432, 25.6422,
20.2867

■ 46.1432, 25.6422,
20.2867

■ 44.1947, 23.2907,
14.8734

■ 48.9223, 29.3455,
26.9322

■ 42.9576, 22.0689,
10.6000

■ 52.6225, 34.5655,
34.8876

■ 42.6967, 21.8426,
9.6017

■ 57.3240, 41.4481,
44.2246

■ 63.0971, 50.1205,
55.0089

■ 70.0059, 60.6976,
67.3015

■ 78.1089, 73.2846,
81.1597

■ 87.4608, 87.9789,
96.6379

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.



44.8609, 25.6422, 49.3292



46.1432, 25.6422, 20.2867



40.5694, 25.6422, 6.5315

Triad

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



46.1432, 25.6422, 20.2867



14.7817, 25.6422, 4.3274



18.7584, 25.6422, 106.7785

Complementary

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



46.1432, 25.6422, 20.2867



47.1330, 76.2706, 62.6984

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.



13.1871, 25.6422, 73.9889



46.1432, 25.6422, 20.2867



11.3215, 25.6422, 13.8224

Square

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



46.1432, 25.6422, 20.2867



21.5363, 25.6422, 1.8858



10.8217, 25.6422, 37.2618



27.4466, 25.6422, 112.8125

Rectangle

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



46.1432, 25.6422, 20.2867



34.3752, 25.6422, 3.1073



10.8217, 25.6422, 37.2618



16.5264, 25.6422, 97.8536

Sweetspot

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



46.1438, 25.6437, 20.2871



73.2997, 65.7942, 72.9951



41.4597, 21.5354, 96.5789



15.0868, 13.1501, 14.5839



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.



46.1438, 25.6437, 20.2871



43.4064, 22.4688, 12.2832



46.0182, 29.5940, 7.2919



18.2448, 18.0812, 19.9063



22.3692, 11.4370, 5.3286



2.2249, 1.1323, 0.7659

Inverse Universe

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



46.1438, 25.6437, 20.2871



43.4064, 22.4688, 12.2832



45.0975, 58.7235, 103.5652



18.2448, 18.0812, 19.9063



22.3692, 11.4370, 5.3286



2.2249, 1.1323, 0.7659

Previews

White Background



This preview shows how the XYZ color 46.1432, 25.6422, 20.2867 looks on a white background.

Color Contrast Check

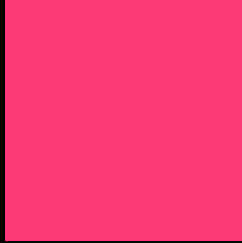
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.1432, 25.6422, 20.2867 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 46.1432, 25.6422, 20.2867

Background



This preview shows how black text looks on a background with the XYZ color 46.1432, 25.6422, 20.2867.



This preview shows how white text looks on a background with the XYZ color 46.1432, 25.6422,

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

46.1432, 25.6422, 20.2867

Protanopia

25.5132, 25.9011, 37.3729

Deuteranopia

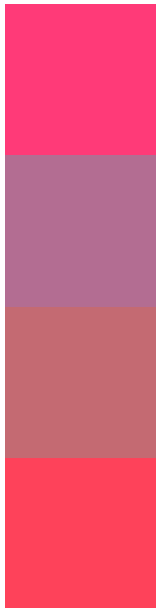
26.1571, 25.6041, 18.6024



Tritanopia

43.9008, 25.7440, 8.9586

Trichromacy



Original Color

46.1432, 25.6422, 20.2867

Protanomaly

29.2474, 22.5963, 30.0141

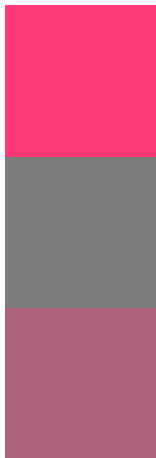
Deuteranomaly

30.9562, 23.2587, 18.7774

Tritanomaly

44.6667, 25.7054, 12.2803

Monochromacy



Original Color

46.1432, 25.6422, 20.2867

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

25.1456, 19.3151, 21.1418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1432, 25.6422, 20.2867 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, 58, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 58, 120)  
}
```

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, 58, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 58, 120) }
```

Border

The CSS property to change the border of an element to XYZ 46.1432, 25.6422, 20.2867 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, 58, 120) }
```


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

```
.border{ border-color:rgb(255, 58, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 58, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 58, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 58, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 58,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1432, 25.6422, 20.2867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 58, 120) }
```

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

```
.background{ background-color: rgb(255, 58,  
120) }
```

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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