

Converting Colors

XYZ(68.6563, 36.6643, 23.1330)

Have a look what the booklet for
XYZ(68.6563, 36.6643, 23.1330)
contains.

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Color

**XYZ(46.1465, 25.0476,
22.1411)**

Conversions

Conversions Part 1

Format	Color
Hex	FF327E
RGB	255, 50, 126
RGB Percent	100%, 20%, 49%
CMY	0.0000, 0.8038, 0.5059
CMYK	0.00, 0.80, 0.51, 0.00
HSL	338°, 100%, 60%
HSV	338°, 80%, 100%
XYZ	46.1465, 25.0476, 22.1411
YIQ	119.9590, 97.7840, 67.0960

Conversions

Conversions Part 2

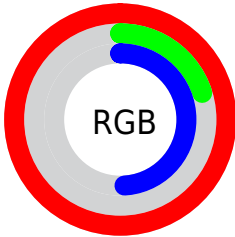
Format	Color
R_{YB}	255, 50, 126
Decimal	16724606
CIE _{Lab}	57.12, 77.80, 8.46
CIE _{LCh}	57, 78.259, 6.208
Yxy	25.0476, 0.4944, 0.2684
Android (android.graphics.Color)	4294914686 (0xFFFF327E)
YUV	119.9590, 2.9782, 118.4310
Hunter-Lab	50.0476, 77.0031, 8.8033

Details

The XYZ color **46.1465, 25.0476, 22.1411** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **45.2146, 75.4537, 54.8382**, and the grayscale version is **17.8111, 18.7386, 20.4064**.

A 20% lighter version of the original color is **55.7543, 37.4312, 46.4059**, and **23.1134, 11.7565, 8.2588** is the 20% darker color. If you saturate the color by 10%, you get **44.3892, 23.0595, 16.8497**, and if you desaturate by 10%, it is **48.6773, 28.3171, 28.5103**.

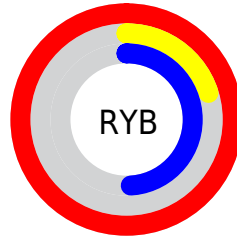
Distribution



Red (100%)

Green (20%)

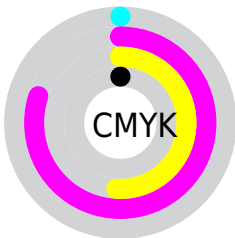
Blue (49%)



Red (100%)

Yellow (20%)

Blue (49%)

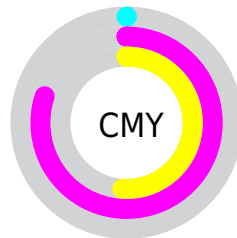


Cyan (0%)

Magenta (80%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1465, 25.0476, 22.1411 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 46.1465, 25.0476, 22.1411 by changing the saturation by 10% instead.


 46.1465, 25.0476,
22.1411


 46.1465, 25.0476,
22.1411


362.1034,
278.0749, 276.2598


 32.5666, 16.1125,
13.7613


 83.6647, 51.7344,
47.8843


 21.9522, 9.6038,
7.8180


 108.3337, 70.2550,
66.0847


 13.9382, 5.1371,
3.8926

 137.4298, 92.7395,
88.3958

 8.1591, 2.3279,
1.5666

 171.3182,
119.5723, 115.2361

 4.2496, 0.7884,
0.2668

 210.3645,
151.1379, 147.0241

 1.8443, 0.0000,
0.0000

254.9338,

 0.5441, 0.0000,

187.8206, 184.1783

0.0000

305.3917,
230.0048, 227.1174

■ 0.0000, 0.0000,
0.0000

■ 46.1465, 25.0476,
22.1411

■ 46.1465, 25.0476,
22.1411

■ 44.3892, 23.0595,
16.8497

■ 48.6773, 28.3171,
28.5103

■ 43.2838, 22.0775,
12.6931

■ 52.0751, 33.0428,
36.0242

■ 56.4211, 39.3761,
44.7444

■ 61.7862, 47.4484,
54.7267

■ 68.2341, 57.3771,
66.0233

75.8233, 69.2697,
78.6828

84.6078, 83.2249,
92.7513

94.6380, 99.3352,
108.2725

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.



43.9994, 25.0476, 53.3207



46.1465, 25.0476, 22.1411



41.1742, 25.0476, 6.9277

Triad

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



46.1465, 25.0476, 22.1411



14.7928, 25.0476, 3.3914



17.3455, 25.0476, 105.1371

Complementary

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



46.1465, 25.0476, 22.1411



45.2146, 75.4537, 54.8382

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.



12.1733, 25.0476, 69.6193



46.1465, 25.0476, 22.1411



10.9878, 25.0476, 11.4862

Square

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



46.1465, 25.0476, 22.1411



21.9404, 25.0476, 1.5310



10.1710, 25.0476, 33.1413



25.7765, 25.0476, 115.3296

Rectangle

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



46.1465, 25.0476, 22.1411



35.0950, 25.0476, 3.0945



10.1710, 25.0476, 33.1413



15.2432, 25.0476, 94.9985

Sweetspot

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



46.1471, 25.0491, 22.1415



72.9448, 64.7376, 73.9463



37.1917, 18.7823, 96.2725



15.0381, 12.9559, 14.8664



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.



46.1471, 25.0491, 22.1415



43.6968, 22.4199, 14.3214



44.2603, 26.3790, 5.7786



18.2878, 18.0984, 20.1325



22.6827, 11.5624, 6.9793



2.2592, 1.1460, 0.9463

Inverse Universe

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



46.1471, 25.0491, 22.1415



43.6968, 22.4199, 14.3214



47.9660, 65.0980, 104.6445



18.2878, 18.0984, 20.1325



22.6827, 11.5624, 6.9793



2.2592, 1.1460, 0.9463

Previews

White Background



This preview shows how the XYZ color 46.1465, 25.0476, 22.1411 looks on a white background.

Color Contrast Check

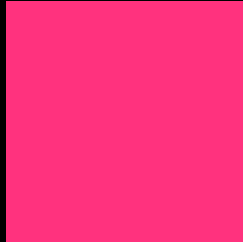
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.1465, 25.0476, 22.1411 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 46.1465, 25.0476, 22.1411

Background



This preview shows how black text looks on a background with the XYZ color 46.1465, 25.0476, 22.1411.



This preview shows how white text looks on a background with the XYZ color 46.1465, 25.0476,

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

46.1465, 25.0476, 22.1411

Protanopia

25.3038, 25.2540, 42.5706

Deuteranopia

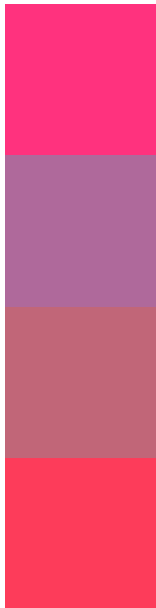
25.5042, 25.0326, 20.0106



Tritanopia

43.1673, 25.0215, 8.1847

Trichromacy



Original Color

46.1465, 25.0476, 22.1411

Protanomaly

28.6472, 21.5837, 33.6665

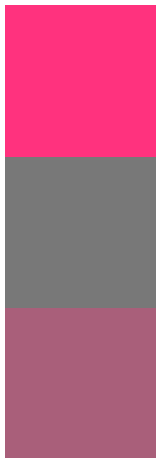
Deuteranomaly

30.1339, 22.1963, 20.4654

Tritanomaly

43.9693, 24.8525, 12.1524

Monochromacy



Original Color

46.1465, 25.0476, 22.1411

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

23.9672, 18.0246, 20.6282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1465, 25.0476, 22.1411 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, 50, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 50, 126)  
}
```

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, 50, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 50, 126) }
```

Border

The CSS property to change the border of an element to XYZ 46.1465, 25.0476, 22.1411 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, 50, 126) }
```


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

```
.border{ border-color:rgb(255, 50, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 50, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 50, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 50, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 50,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1465, 25.0476, 22.1411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 50, 126) }
```

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

```
.background{ background-color: rgb(255, 50,  
126) }
```

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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