

Converting Colors

XYZ(46.1690, 25.1257, 22.0465)

Have a look what the booklet for
XYZ(46.1690, 25.1257, 22.0465)
contains.

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Color

**XYZ(46.1897, 25.1340,
22.1555)**

Conversions

Conversions Part 1

Format	Color
Hex	FF337E
RGB	255, 51, 126
RGB Percent	100%, 20%, 49%
CMY	0.0000, 0.7999, 0.5059
CMYK	0.00, 0.80, 0.51, 0.00
HSL	338°, 100%, 60%
HSV	338°, 80%, 100%
XYZ	46.1897, 25.1340, 22.1555
YIQ	120.5460, 97.5090, 66.5730

Conversions

Conversions Part 2

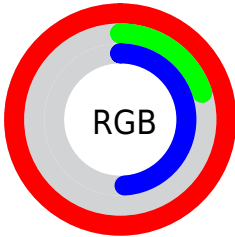
Format	Color
R_{YB}	255, 51, 126
Decimal	16724862
CIE _{Lab}	57.21, 77.56, 8.58
CIE _{LCh}	57, 78.034, 6.314
Yxy	25.1340, 0.4941, 0.2689
Android (android.graphics.Color)	4294914942 (0xFFFF337E)
YUV	120.5460, 2.6888, 117.9162
Hunter-Lab	50.1338, 76.7229, 8.8918

Details

The XYZ color **46.1897, 25.1340, 22.1555** 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 **45.3659, 75.5200, 55.3747**, and the grayscale version is **17.9998, 18.9372, 20.6226**.

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 **44.4063, 23.1006, 16.8343**, and if you desaturate by 10%, it is **48.7521, 28.4572, 28.5643**.

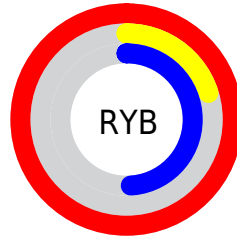
Distribution



Red (100%)

Green (20%)

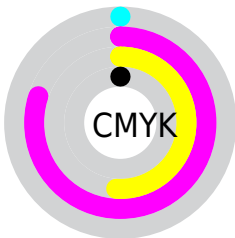
Blue (49%)



Red (100%)

Yellow (20%)

Blue (49%)

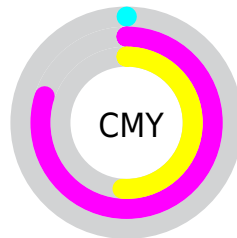


Cyan (0%)

Magenta (80%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1897, 25.1340, 22.1555 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 46.1897, 25.1340, 22.1555 by changing the saturation by 10% instead.


 46.1897, 25.1340,
22.1555


 46.1897, 25.1340,
22.1555


362.2739,
278.5046, 276.3372


 32.6008, 16.1769,
13.7718


 83.7290, 51.8745,
47.9084


 21.9786, 9.6494,
7.8252


 108.4100, 70.4268,
66.1146


 13.9577, 5.1671,
3.8971


 137.5192, 92.9462,
88.4321

 8.1727, 2.3457,
1.5691

 171.4218,
119.8171, 115.2793

 4.2584, 0.7977,
0.2686

 210.4832,
151.4241, 147.0750

 1.8493, 0.0000,
0.0000

255.0688,

 0.5471, 0.0000,

188.1514, 184.2374

0.0000

305.5440,
230.3834, 227.1853

■ 0.0000, 0.0000,
0.0000

■ 46.1897, 25.1340,
22.1555

■ 46.1897, 25.1340,
22.1555

■ 44.4063, 23.1006,
16.8343

■ 48.7521, 28.4572,
28.5643

■ 43.2491, 22.0639,
12.5097

■ 52.1863, 33.2434,
36.1281

■ 43.2484, 22.0634,
12.5070

■ 56.5732, 39.6434,
44.9087

■ 61.9835, 47.7879,
54.9625

■ 68.4809, 57.7939,
66.3417

76.1235, 69.7685,
79.0957

84.9654, 83.8103,
93.2707

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.



44.0725, 25.1340, 53.2414



46.1897, 25.1340, 22.1555



41.2052, 25.1340, 6.9698

Triad

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



46.1897, 25.1340, 22.1555



14.8553, 25.1340, 3.4584



17.4531, 25.1340, 105.1325

Complementary

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



46.1897, 25.1340, 22.1555



45.3659, 75.5200, 55.3747

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.



12.2647, 25.1340, 69.7750



46.1897, 25.1340, 22.1555



11.0570, 25.1340, 11.6208

Square

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



46.1897, 25.1340, 22.1555



21.9925, 25.1340, 1.5678



10.2485, 25.1340, 33.3369



25.8917, 25.1340, 115.1691

Rectangle

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



46.1897, 25.1340, 22.1555



35.1292, 25.1340, 3.1330



10.2485, 25.1340, 33.3369



15.3457, 25.1340, 95.0554

Sweetspot

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



46.1903, 25.1355, 22.1559



72.9204, 64.7278, 73.8175



37.3219, 18.9135, 96.2910



15.0323, 12.9536, 14.8358



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.



46.1903, 25.1355, 22.1559



43.6600, 22.4052, 14.1277



44.3413, 26.5062, 5.9132



18.2854, 18.0975, 20.1200



22.6639, 11.5548, 6.8803



2.2572, 1.1452, 0.9357

Inverse Universe

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



46.1903, 25.1355, 22.1559



43.6600, 22.4052, 14.1277



48.0484, 65.1890, 104.6577



18.2854, 18.0975, 20.1200



22.6639, 11.5548, 6.8803



2.2572, 1.1452, 0.9357

Previews

White Background



This preview shows how the XYZ color 46.1897, 25.1340, 22.1555 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 46.1897, 25.1340, 22.1555 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 46.1897, 25.1340, 22.1555

Background



This preview shows how black text looks on a background with the XYZ color 46.1897, 25.1340, 22.1555.



This preview shows how white text looks on a background with the XYZ color 46.1897, 25.1340,

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

46.1897, 25.1340, 22.1555

Protanopia

25.3038, 25.2540, 42.5706

Deuteranopia

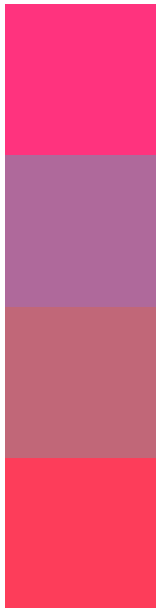
25.5042, 25.0326, 20.0106



Tritanopia

43.2262, 25.1394, 8.2043

Trichromacy



Original Color

46.1897, 25.1340, 22.1555

Protanomaly

28.6472, 21.5837, 33.6665

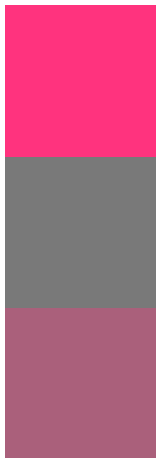
Deuteranomaly

30.2327, 22.3940, 20.4983

Tritanomaly

44.0222, 24.9583, 12.1701

Monochromacy



Original Color

46.1897, 25.1340, 22.1555

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

24.3356, 18.3419, 20.9966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1897, 25.1340, 22.1555 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, 51, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 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, 51, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 126) }
```

Border

The CSS property to change the border of an element to XYZ 46.1897, 25.1340, 22.1555 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, 51, 126) }
```


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

```
.border{ border-color:rgb(255, 51, 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, 51, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1897, 25.1340, 22.1555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 126) }
```

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

```
.background{ background-color: rgb(255, 51,  
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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