

Converting Colors

XYZ(46.1671, 25.7045, 20.2498)

Have a look what the booklet for
XYZ(46.1671, 25.7045, 20.2498)
contains.

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Color

**XYZ(46.1941, 25.7440,
20.3037)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3B78
RGB	255, 59, 120
RGB Percent	100%, 23%, 47%
CMY	0.0000, 0.7686, 0.5294
CMYK	0.00, 0.77, 0.53, 0.00
HSL	341°, 100%, 62%
HSV	341°, 77%, 100%
XYZ	46.1941, 25.7440, 20.3037
YIQ	124.5580, 97.2350, 60.5230

Conversions

Conversions Part 2

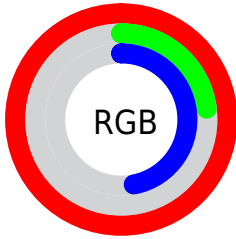
Format	Color
R_{YB}	255, 59, 120
Decimal	16726904
CIE _{Lab}	57.79, 75.04, 12.97
CIE _{LCh}	58, 76.153, 9.804
Yxy	25.7440, 0.5008, 0.2791
Android (android.graphics.Color)	4294916984 (0xFFFF3B78)
YUV	124.5580, -2.2471, 114.3976
Hunter-Lab	50.7385, 73.7200, 11.7913

Details

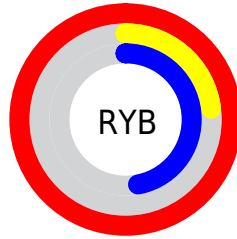
The XYZ color **46.1941, 25.7440, 20.3037** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **47.3036, 76.3456, 63.2905**, and the grayscale version is **19.3313, 20.3380, 22.1481**.

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 **44.2180, 23.3444, 14.8593**, and if you desaturate by 10%, it is **49.0063, 29.5033, 26.9920**.

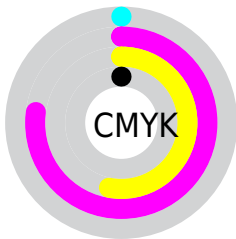
Distribution



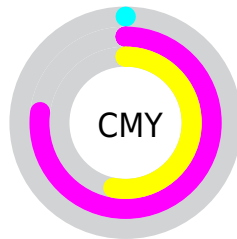
- Red (100%)
- Green (23%)
- Blue (47%)



- 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 46.1941, 25.7440, 20.3037 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 46.1941, 25.7440, 20.3037 by changing the saturation by 10% instead.


 46.1941, 25.7440,
20.3037


 46.1941, 25.7440,
20.3037


362.2913,
281.5231, 266.2129


 32.6043, 16.6322,
12.4297


 83.7355, 52.8617,
44.7914


 21.9813, 9.9726,
6.9110


 108.4178, 71.6363,
62.2423


 13.9597, 5.3808,
3.3289


 137.5283, 94.4008,
83.7225

 8.1741, 2.4724,
1.2649

 171.4324,
121.5394, 109.6506

 4.2593, 0.8628,
0.0328

 210.4953,
153.4365, 140.4451

 1.8499, 0.0000,
0.0000

255.0826,

 0.5474, 0.0000,

190.4766, 176.5247

0.0000

305.5595,
233.0440, 218.3078

■ 0.0000, 0.0000,
0.0000

■ 46.1941, 25.7440,
20.3037

■ 46.1941, 25.7440,
20.3037

■ 44.2180, 23.3444,
14.8593

■ 49.0063, 29.5033,
26.9920

■ 42.9613, 22.0877,
10.5664


■ 52.7448, 34.7860,
35.0023


■ 42.6638, 21.8295,
9.4288

■ 57.4892, 41.7374,
44.4070

■ 63.3101, 50.4841,
55.2723

■ 70.2712, 61.1407,
67.6598

 78.4311, 73.8121,
81.6273

 87.8443, 88.5954,
97.2297

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.



44.9471, 25.7440, 49.2449



46.1941, 25.7440, 20.3037



40.6061, 25.7440, 6.5786

Triad

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



46.1941, 25.7440, 20.3037



14.8543, 25.7440, 4.4182



18.8893, 25.7440, 106.7744

Complementary

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



46.1941, 25.7440, 20.3037



47.3036, 76.3456, 63.2905

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.



13.2984, 25.7440, 74.1759



46.1941, 25.7440, 20.3037



11.4032, 25.7440, 13.9978

Square

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



46.1941, 25.7440, 20.3037



21.5965, 25.7440, 1.9347



10.9151, 25.7440, 37.5052



27.5853, 25.7440, 112.6330

Rectangle

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



46.1941, 25.7440, 20.3037



34.4153, 25.7440, 3.1520



10.9151, 25.7440, 37.5052



16.6513, 25.7440, 97.9212

Sweetspot

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



46.1948, 25.7455, 20.3041



73.2734, 65.7837, 72.8566



41.5912, 21.6788, 96.5996



15.0805, 13.1476, 14.5509



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.



46.1948, 25.7455, 20.3041



43.4909, 22.5720, 12.5140



46.1170, 29.7505, 7.4516



18.2421, 18.0802, 19.8923



22.3516, 11.4299, 5.2358



2.2230, 1.1316, 0.7555

Inverse Universe

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



46.1948, 25.7455, 20.3041



43.4909, 22.5720, 12.5140



45.2040, 58.8493, 103.5838



18.2421, 18.0802, 19.8923



22.3516, 11.4299, 5.2358



2.2230, 1.1316, 0.7555

Previews

White Background



This preview shows how the XYZ color 46.1941, 25.7440, 20.3037 looks on a white background.

Color Contrast Check

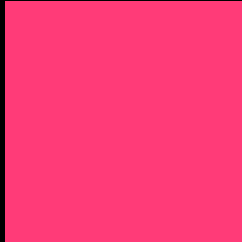
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.1941, 25.7440, 20.3037 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 46.1941, 25.7440, 20.3037

Background



This preview shows how black text looks on a background with the XYZ color 46.1941, 25.7440, 20.3037.



This preview shows how white text looks on a background with the XYZ color 46.1941, 25.7440,

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

46.1941, 25.7440, 20.3037

Protanopia

25.5132, 25.9011, 37.3729

Deuteranopia

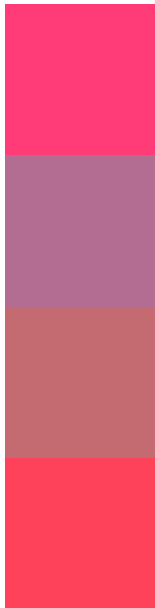
26.2946, 25.8793, 18.6482



Tritanopia

43.9008, 25.7440, 8.9586

Trichromacy



Original Color

46.1941, 25.7440, 20.3037

Protanomaly

29.2474, 22.5963, 30.0141

Deuteranomaly

31.0599, 23.4661, 18.8120

Tritanomaly

44.6667, 25.7054, 12.2803

Monochromacy



Original Color

46.1941, 25.7440, 20.3037

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

25.2421, 19.5081, 21.1739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1941, 25.7440, 20.3037 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, 59, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 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, 59, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 120) }
```

Border

The CSS property to change the border of an element to XYZ 46.1941, 25.7440, 20.3037 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, 59, 120) }
```


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

```
.border{ border-color:rgb(255, 59, 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, 59, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1941, 25.7440, 20.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 120) }
```

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

```
.background{ background-color: rgb(255, 59,  
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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