

Converting Colors

XYZ(52.7850, 27.1625, 26.0216)

Have a look what the booklet for
XYZ(52.7850, 27.1625, 26.0216)
contains.

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Color

**XYZ(46.0820, 23.7194,
25.8164)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1889
RGB	255, 24, 137
RGB Percent	100%, 9%, 54%
CMY	0.0000, 0.9057, 0.4627
CMYK	0.00, 0.91, 0.46, 0.00
HSL	331°, 100%, 55%
HSV	331°, 91%, 100%
XYZ	46.0820, 23.7194, 25.8164
YIQ	105.9510, 101.4030, 84.1150

Conversions

Conversions Part 2

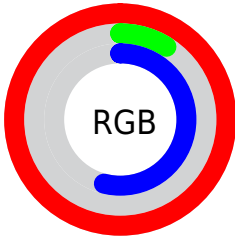
Format	Color
R_{YB}	255, 24, 137
Decimal	16717961
CIE _{Lab}	55.81, 83.29, 0.02
CIE _{LCh}	56, 83.289, 0.011
Yxy	23.7194, 0.4819, 0.2481
Android (android.graphics.Color)	4294908041 (0xFFFF1889)
YUV	105.9510, 15.3072, 130.7160
Hunter-Lab	48.7026, 83.6659, 2.6632

Details

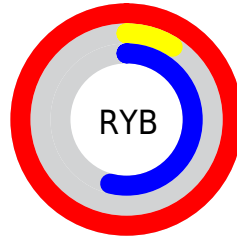
The XYZ color **46.0820, 23.7194, 25.8164** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **41.0225, 73.6685, 37.6618**, and the grayscale version is **13.6311, 14.3410, 15.6173**.

A 20% lighter version of the original color is **55.5858, 35.0809, 52.5568**, and **23.4997, 11.9110, 10.2930** is the 20% darker color. If you saturate the color by 10%, you get **44.9238, 22.7335, 21.3291**, and if you desaturate by 10%, it is **47.8680, 25.7045, 31.3046**.

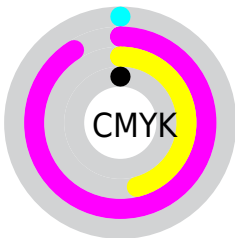
Distribution



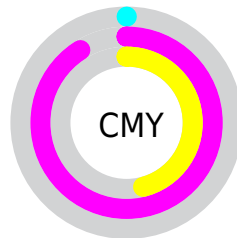
- Red (100%)
- Green (9%)
- Blue (54%)



- Red (100%)
- Yellow (9%)
- Blue (54%)



- Cyan (0%)
- Magenta (91%)
- Yellow (46%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0820, 23.7194, 25.8164 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 46.0820, 23.7194, 25.8164 by changing the saturation by 10% instead.


 46.0820, 23.7194,
25.8164


 46.0820, 23.7194,
25.8164


361.8486,
271.3988, 295.4564


 32.5154, 15.1256,
16.4618


 83.5688, 49.5719,
53.9590


 21.9129, 8.9076,
9.6936


 108.2198, 67.5994,
73.5842


 13.9092, 4.6810,
5.0934


 137.2962, 89.5403,
97.4699

 8.1388, 2.0613,
2.2425

 171.1636,
115.7789, 126.0348

 4.2365, 0.6427,
0.6987

 210.1871,
146.6997, 159.6973

 1.8368, 0.0000,
0.0000

254.7322,

 0.5397, 0.0000,

182.6870, 198.8761

0.0000

305.1643,
224.1252, 243.9896

■ 0.0000, 0.0000,
0.0000

■ 46.0820, 23.7194,
25.8164

■ 46.0820, 23.7194,
25.8164

■ 44.9238, 22.7335,
21.3291

■ 47.8680, 25.7045,
31.3046

■ 50.3742, 28.9431,
37.6082

■ 53.6933, 33.6150,
44.7762

■ 57.9026, 39.8694,
52.8515

■ 63.0699, 47.8364,
61.8730

■ 69.2561, 57.6326,
71.8768

■ 76.5167, 69.3644,
82.8968

■ 84.9032, 83.1297,
94.9647

94.4637, 99.0200,
108.1108

Harmonies

Analogous

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



42.2679, 23.7194, 61.6229



46.0820, 23.7194, 25.8164



42.2625, 23.7194, 7.5441

Triad

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



46.0820, 23.7194, 25.8164



14.6117, 23.7194, 1.8787



14.6162, 23.7194, 102.3879

Complementary

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



46.0820, 23.7194, 25.8164



41.0225, 73.6685, 37.6618

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.



10.1716, 23.7194, 61.6538



46.0820, 23.7194, 25.8164



10.1695, 23.7194, 7.5517

Square

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



46.0820, 23.7194, 25.8164



22.5411, 23.7194, 0.9038



8.8026, 23.7194, 25.8364



22.5481, 23.7194, 120.8816

Rectangle

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



46.0820, 23.7194, 25.8164



36.3802, 23.7194, 2.9383



8.8026, 23.7194, 25.8364



12.7544, 23.7194, 89.8839

Sweetspot

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



46.0826, 23.7208, 25.8168



71.7256, 61.5991, 75.6980



29.1113, 13.4082, 95.6613



14.8468, 12.3727, 15.4207



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.



46.0826, 23.7208, 25.8168



44.9239, 22.7336, 21.3291



41.7325, 21.9807, 2.9092



18.3797, 18.1352, 20.6164



23.5486, 11.9087, 11.5395



2.3478, 1.1815, 1.4131

Inverse Universe

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



46.0826, 23.7208, 25.8168



44.9239, 22.7336, 21.3291



54.1874, 78.9345, 106.9875



18.3797, 18.1352, 20.6164



23.5486, 11.9087, 11.5395



2.3478, 1.1815, 1.4131

Previews

White Background



This preview shows how the XYZ color 46.0820, 23.7194, 25.8164 looks on a white background.

Color Contrast Check

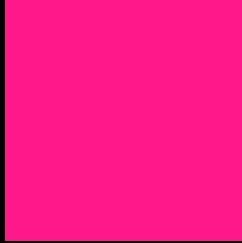
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.0820, 23.7194, 25.8164 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 46.0820, 23.7194, 25.8164

Background



This preview shows how black text looks on a background with the XYZ color 46.0820, 23.7194, 25.8164.



This preview shows how white text looks on a background with the XYZ color 46.0820, 23.7194,

25.8164.

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

46.0820, 23.7194, 25.8164

Protanopia

25.0410, 24.0201, 54.9463

Deuteranopia

24.3262, 23.9557, 23.0804



Tritanopia

42.0861, 23.8511, 6.5232

Trichromacy



Original Color

46.0820, 23.7194, 25.8164



Protanomaly

27.0714, 18.8840, 42.2626



Deuteranomaly

28.5094, 19.7852, 23.4354



Tritanomaly

42.8422, 23.3376, 11.2634

Monochromacy



Original Color

46.0820, 23.7194, 25.8164



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

20.2925, 13.9268, 18.4482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0820, 23.7194, 25.8164 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, 24, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 24, 137)  
}
```

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, 24, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 24, 137) }
```

Border

The CSS property to change the border of an element to XYZ 46.0820, 23.7194, 25.8164 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, 24, 137) }
```


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

```
.border{ border-color:rgb(255, 24, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 24, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 24, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 24, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 24,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0820, 23.7194, 25.8164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 24, 137) }
```

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

```
.background{ background-color: rgb(255, 24,  
137) }
```

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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