

Converting Colors

XYZ(45.9500, 25.2495, 20.2415)

Have a look what the booklet for
XYZ(45.9500, 25.2495, 20.2415)
contains.

XYZ(45.9493, 25.2544, 20.2221)	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(45.9493, 25.2544,
20.2221)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3678
RGB	255, 54, 120
RGB Percent	100%, 21%, 47%
CMY	0.0000, 0.7882, 0.5294
CMYK	0.00, 0.79, 0.53, 0.00
HSL	340°, 100%, 61%
HSV	340°, 79%, 100%
XYZ	45.9493, 25.2544, 20.2221
YIQ	121.6230, 98.6100, 63.1380

Conversions

Conversions Part 2

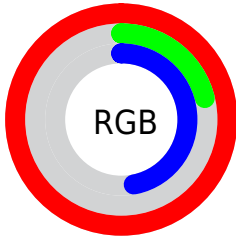
Format	Color
R_{YB}	255, 54, 120
Decimal	16725624
CIE _{Lab}	57.32, 76.37, 12.31
CIE _{LCh}	57, 77.360, 9.156
Yxy	25.2544, 0.5026, 0.2762
Android (android.graphics.Color)	4294915704 (0xFFFF3678)
YUV	121.6230, -0.8001, 116.9716
Hunter-Lab	50.2538, 75.2666, 11.3193

Details

The XYZ color **45.9493, 25.2544, 20.2221** 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 **46.4691, 75.9792, 60.3694**, and the grayscale version is **18.3583, 19.3144, 21.0334**.

A 20% lighter version of the original color is **55.4029, 37.6715, 43.3810**, and **22.6556, 11.5442, 7.1651** is the 20% darker color. If you saturate the color by 10%, you get **44.1092, 23.0918, 14.9307**, and if you desaturate by 10%, it is **48.5978, 28.7365, 26.7006**.

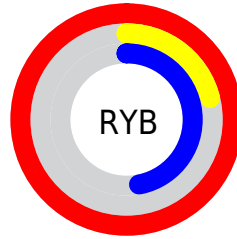
Distribution



Red (100%)

Green (21%)

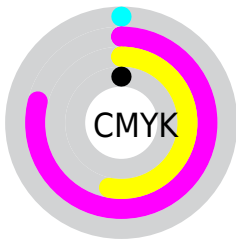
Blue (47%)



Red (100%)

Yellow (21%)

Blue (47%)

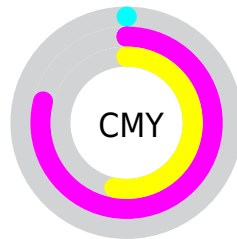


Cyan (0%)

Magenta (79%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9493, 25.2544, 20.2221 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 45.9493, 25.2544, 20.2221 by changing the saturation by 10% instead.


 45.9493, 25.2544,
20.2221


 45.9493, 25.2544,
20.2221


361.3241,
279.1025, 265.7588


 32.4103, 16.2667,
12.3709


 83.3714, 52.0696,
44.6531


 21.8321, 9.7131,
6.8712


 107.9853, 70.6660,
62.0700

 13.8495, 5.2091,
3.3045


 137.0214, 93.2339,
83.5125

 8.0971, 2.3705,
1.2521

 170.8452,
120.1580, 109.3992

 4.2095, 0.8106,
0.0221

 209.8220,
151.8224, 140.1487

 1.8213, 0.0000,
0.0000

254.3172,

 0.5305, 0.0000,

188.6118, 176.1794

0.0000

304.6961,
230.9103, 217.9100

■ 0.0000, 0.0000,
0.0000

■ 45.9493, 25.2544,
20.2221

■ 45.9493, 25.2544,
20.2221

■ 44.1092, 23.0918,
14.9307

■ 48.5978, 28.7365,
26.7006

■ 42.9420, 21.9932,
10.7319


■ 52.1472, 33.7081,
34.4420


■ 42.8290, 21.8956,
10.2986

■ 56.6788, 40.3180,
43.5156

■ 62.2636, 48.6954,
53.9850

■ 68.9660, 58.9570,
65.9093

 76.8449, 71.2089,
79.3438

 85.9550, 85.5495,
94.3409

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.



44.5318, 25.2544, 49.6553



45.9493, 25.2544, 20.2221



40.4300, 25.2544, 6.3528

Triad

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



45.9493, 25.2544, 20.2221



14.5053, 25.2544, 3.9901



18.2620, 25.2544, 106.7970

Complementary

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



45.9493, 25.2544, 20.2221



46.4691, 75.9792, 60.3694

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.



12.7656, 25.2544, 73.2753



45.9493, 25.2544, 20.2221



11.0117, 25.2544, 13.1626

Square

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



45.9493, 25.2544, 20.2221



21.3067, 25.2544, 1.7058



10.4683, 25.2544, 36.3376



26.9189, 25.2544, 113.5071

Rectangle

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



45.9493, 25.2544, 20.2221



34.2223, 25.2544, 2.9398



10.4683, 25.2544, 36.3376



16.0531, 25.2544, 97.5969

Sweetspot

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



45.9499, 25.2559, 20.2225



72.6111, 64.6041, 72.1890



40.1102, 20.5519, 96.4601



14.9590, 12.9243, 14.4499



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.



45.9499, 25.2559, 20.2225



43.3249, 22.3191, 12.2145



45.3560, 28.4263, 6.5884



18.2552, 18.0854, 19.9613



22.4401, 11.4653, 5.7020



2.2328, 1.1355, 0.8075

Inverse Universe

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



45.9499, 25.2559, 20.2225



43.3249, 22.3191, 12.2145



45.5614, 59.9833, 103.7839



18.2552, 18.0854, 19.9613



22.4401, 11.4653, 5.7020



2.2328, 1.1355, 0.8075

Previews

White Background



This preview shows how the XYZ color 45.9493, 25.2544, 20.2221 looks on a white background.

Color Contrast Check

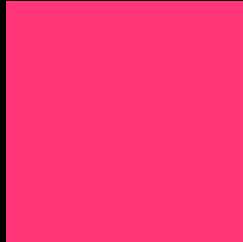
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.9493, 25.2544, 20.2221 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 45.9493, 25.2544, 20.2221

Background



This preview shows how black text looks on a background with the XYZ color 45.9493, 25.2544, 20.2221.



This preview shows how white text looks on a background with the XYZ color 45.9493, 25.2544,

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

45.9493, 25.2544, 20.2221

Protanopia

25.2294, 25.5222, 38.2469

Deuteranopia

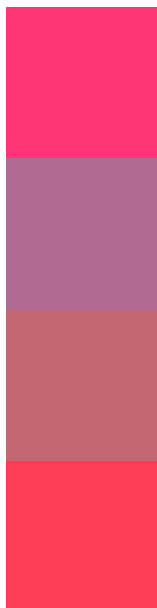
25.7637, 25.2054, 18.2591



Tritanopia

43.6207, 25.3392, 8.3862

Trichromacy



Original Color

45.9493, 25.2544, 20.2221

Protanomaly

28.6556, 21.9691, 30.3339

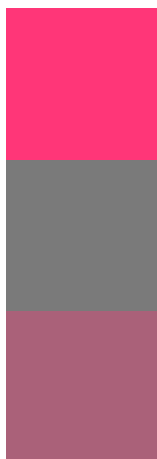
Deuteranomaly

30.4933, 22.7176, 18.6974

Tritanomaly

44.3571, 25.2207, 11.7627

Monochromacy



Original Color

45.9493, 25.2544, 20.2221

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

24.3034, 18.4759, 20.3744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9493, 25.2544, 20.2221 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, 54, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 54, 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, 54, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 54, 120) }
```

Border

The CSS property to change the border of an element to XYZ 45.9493, 25.2544, 20.2221 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, 54, 120) }
```


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

```
.border{ border-color:rgb(255, 54, 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, 54, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 54, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 54, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 54,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9493, 25.2544, 20.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 54, 120) }
```

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

```
.background{ background-color: rgb(255, 54,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor