

Converting Colors

XYZ(50.1983, 32.4455, 25.6674)

Have a look what the booklet for
XYZ(50.1983, 32.4455, 25.6674)
contains.

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Color

**XYZ(50.2250, 32.4562,
25.8078)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6685
RGB	255, 102, 133
RGB Percent	100%, 40%, 52%
CMY	0.0000, 0.6000, 0.4784
CMYK	0.00, 0.60, 0.48, 0.00
HSL	348°, 100%, 70%
HSV	348°, 60%, 100%
XYZ	50.2250, 32.4562, 25.8078
YIQ	151.2810, 81.2370, 42.0770

Conversions

Conversions Part 2

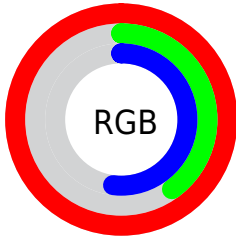
Format	Color
R _Y B	255, 102, 133
Decimal	16737925
CIE Lab	63.72, 60.62, 13.67
CIE LCh	64, 62.142, 12.710
Yxy	32.4562, 0.4630, 0.2992
Android (android.graphics.Color)	4294928005 (0xFFFF6685)
YUV	151.2810, -9.0125, 90.9616
Hunter-Lab	56.9703, 57.6673, 13.0206

Details

The XYZ color **50.2250, 32.4562, 25.8078** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **54.6961, 79.7274, 83.0330**, and the grayscale version is **29.5501, 31.0890, 33.8560**.

A 20% lighter version of the original color is **62.5011, 49.6014, 52.7342**, and **24.4205, 13.6335, 9.7319** is the 20% darker color. If you saturate the color by 10%, you get **46.8214, 27.6840, 18.4002**, and if you desaturate by 10%, it is **54.6727, 38.8815, 34.9056**.

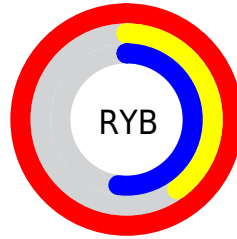
Distribution



Red (100%)

Green (40%)

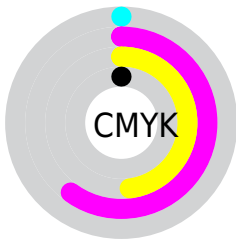
Blue (52%)



Red (100%)

Yellow (40%)

Blue (52%)

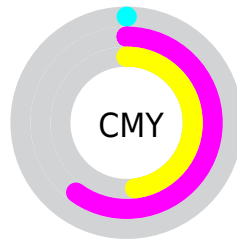


Cyan (0%)

Magenta (60%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2250, 32.4562, 25.8078 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 50.2250, 32.4562, 25.8078 by changing the saturation by 10% instead.


 50.2250, 32.4562,
25.8078


 50.2250, 32.4562,
25.8078


377.9826,
313.1922, 295.4127


 35.8107, 21.7102,
16.4554


 89.6980, 63.5256,
53.9450


 24.4575, 13.6441,
9.6892


 115.4874, 84.6177,
73.5669

 15.7999, 7.8736,
5.0905


 145.7993,
109.9274, 97.4491

 9.4726, 4.0141,
2.2408

 180.9990,
139.8390, 126.0100

 5.1103, 1.6815,
0.6977

221.4518,
174.7369, 159.6683

 2.3475, 0.4116,
0.0000

267.5231,

 0.8188, 0.0000,

215.0054, 198.8425

0.0000

319.5783,
261.0291, 243.9511

■ 0.0000, 0.0000,
0.0000

■ 50.2250, 32.4562,
25.8078

■ 50.2250, 32.4562,
25.8078

■ 46.8214, 27.6840,
18.4002

■ 54.6727, 38.8815,
34.9056

■ 44.3704, 24.4069,
12.5739

■ 60.2404, 47.0885,
45.7896

■ 42.7681, 22.4450,
8.2086

■ 66.9998, 57.1989,
58.5504

■ 41.8522, 21.5050,
5.1542

■ 75.0158, 69.3223,
73.2719

■ 41.8520, 21.5048,
5.1533

■ 84.3484, 83.5599,
90.0326

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



49.7473, 32.4562, 51.5858



50.2250, 32.4562, 25.8078



44.8535, 32.4562, 11.7784

Triad

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



50.2250, 32.4562, 25.8078



20.8320, 32.4562, 10.5235



26.1368, 32.4562, 103.7061

Complementary

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



50.2250, 32.4562, 25.8078



54.6961, 79.7274, 83.0330

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.



20.1123, 32.4562, 78.8408



50.2250, 32.4562, 25.8078



17.4688, 32.4562, 22.9216

Square

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



50.2250, 32.4562, 25.8078



27.3110, 32.4562, 6.1715



17.2329, 32.4562, 46.9687



34.6793, 32.4562, 105.7519

Rectangle

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



50.2250, 32.4562, 25.8078



39.1764, 32.4562, 7.5649



17.2329, 32.4562, 46.9687



23.7935, 32.4562, 97.3448

Sweetspot

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



50.2258, 32.4580, 25.8084



76.7721, 71.9928, 76.4528



52.8810, 32.2307, 98.0415



15.8883, 14.5823, 15.3775



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.



50.2258, 32.4580, 25.8084



46.2572, 26.9129, 17.1098



53.8186, 42.5794, 17.9549



18.1598, 18.0472, 19.4587



21.9107, 11.2536, 2.9144



2.1702, 1.1105, 0.4778

Inverse Universe

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



50.2258, 32.4580, 25.8084



46.2572, 26.9129, 17.1098



46.9871, 56.9586, 103.1251



18.1598, 18.0472, 19.4587



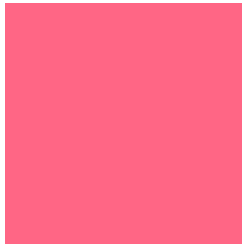
21.9107, 11.2536, 2.9144



2.1702, 1.1105, 0.4778

Previews

White Background



This preview shows how the XYZ color 50.2250, 32.4562, 25.8078 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 50.2250, 32.4562, 25.8078 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2250, 32.4562, 25.8078

Background



This preview shows how black text looks on a background with the XYZ color 50.2250, 32.4562, 25.8078.



This preview shows how white text looks on a background with the XYZ color 50.2250, 32.4562,

25.8078.

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

50.2250, 32.4562, 25.8078

Protanopia

31.6111, 32.7172, 37.9067

Deuteranopia

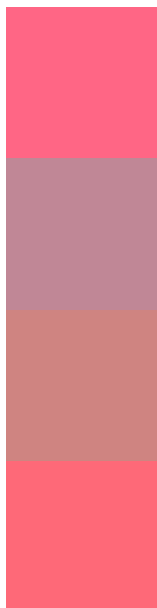
33.3357, 32.7045, 24.2943



Tritanopia

49.0077, 32.5712, 19.3267

Trichromacy



Original Color

50.2250, 32.4562, 25.8078

Protanomaly

35.9072, 30.7364, 32.8944

Deuteranomaly

37.9458, 31.3529, 24.8206

Tritanomaly

49.3148, 32.5300, 21.4490

Monochromacy



Original Color

50.2250, 32.4562, 25.8078

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

34.4078, 29.6075, 30.2869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2250, 32.4562, 25.8078 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, 102, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 133)  
}
```

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, 102, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 133) }
```

Border

The CSS property to change the border of an element to XYZ 50.2250, 32.4562, 25.8078 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, 102, 133) }
```


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

```
.border{ border-color:rgb(255, 102, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2250, 32.4562, 25.8078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 133) }
```

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

```
.background{ background-color: rgb(255,  
102, 133) }
```

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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