

Converting Colors

XYZ(50.7994, 32.1946, 38.6838)

Have a look what the booklet for
XYZ(50.7994, 32.1946, 38.6838)
contains.

XYZ(50.6824, 32.1187, 38.6502)	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(50.6824, 32.1187,
38.6502)**

Conversions

Conversions Part 1

Format	Color
Hex	FA64A4
RGB	250, 100, 164
RGB Percent	98%, 39%, 64%
CMY	0.0196, 0.6078, 0.3569
CMYK	0.00, 0.60, 0.34, 0.02
HSL	334°, 94%, 69%
HSV	334°, 60%, 98%
XYZ	50.6824, 32.1187, 38.6502
YIQ	152.1460, 68.8560, 51.7040

Conversions

Conversions Part 2

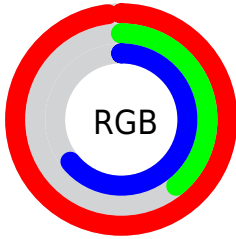
Format	Color
R _Y B	250, 100, 164
Decimal	16409764
CIE Lab	63.44, 63.04, -4.64
CIE LCh	63, 63.208, 355.788
Yxy	32.1187, 0.4173, 0.2645
Android (android.graphics.Color)	4294599844 (0xFFFA64A4)
YUV	152.1460, 5.8440, 85.8180
Hunter-Lab	56.6734, 60.4523, -0.7633

Details

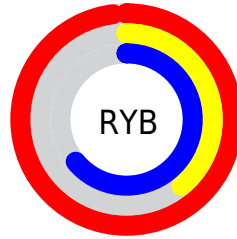
The XYZ color **50.6824, 32.1187, 38.6502** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **48.3060, 74.6267, 58.3174**, and the grayscale version is **29.8641, 31.4194, 34.2157**.

A 20% lighter version of the original color is **66.0832, 50.4884, 73.2801**, and **24.6040, 13.3749, 16.6141** is the 20% darker color. If you saturate the color by 10%, you get **47.4193, 27.5486, 31.5317**, and if you desaturate by 10%, it is **54.8287, 38.2213, 46.7835**.

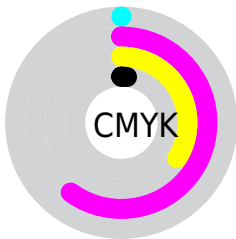
Distribution



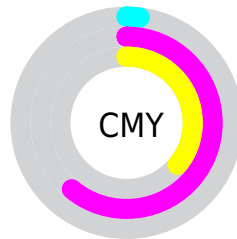
- Red (98%)
- Green (39%)
- Blue (64%)



- Red (98%)
- Yellow (39%)
- Blue (64%)



- Cyan (0%)
- Magenta (60%)
- Yellow (34%)
- Black (2%)





- Cyan (2%)
- Magenta (61%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6824, 32.1187, 38.6502 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 50.6824, 32.1187, 38.6502 by changing the saturation by 10% instead.


 50.6824, 32.1187,
38.6502


 50.6824, 32.1187,
38.6502


379.7366,
311.6596, 355.7825


 36.1759, 21.4522,
26.1820


 90.3709, 62.9971,
74.3181


 24.7408, 13.4549,
16.7328


 116.2837, 83.9778,
98.3548

 16.0118, 7.7426,
9.8843


 146.7292,
109.1654, 127.0848

 9.6234, 3.9307,
5.2177

 182.0730,
138.9442, 160.9266

 5.2103, 1.6348,
2.3146

222.6802,
173.6986, 200.2987

 2.4072, 0.3809,
0.7394

268.9163,

 0.8487, 0.0000,

213.8130, 245.6197

0.0000

321.1467,
259.6719, 297.3081

■ 0.0000, 0.0000,
0.0000

■ 50.6824, 32.1187,
38.6502

■ 50.6824, 32.1187,
38.6502

■ 47.4193, 27.5486,
31.5317

■ 54.8287, 38.2213,
46.7835

■ 44.9620, 24.3646,
25.3776

■ 59.9209, 45.9750,
55.9744

■ 43.2233, 22.4001,
20.1341

■ 66.0189, 55.4925,
66.2648

■ 42.0607, 21.3787,
15.7271

■ 73.1768, 66.8750,
77.6935

■ 42.0604, 21.3784,
15.7258

■ 81.4445, 80.2162,
90.2972

90.8688, 95.6031,
104.1106

93.2344, 99.0640,
108.8150

Harmonies

Analogous

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



46.7510, 32.1187, 69.8697



50.6824, 32.1187, 38.6502



48.4204, 32.1187, 17.8544

Triad

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



50.6824, 32.1187, 38.6502



23.7480, 32.1187, 6.9824



21.9748, 32.1187, 92.2346

Complementary

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



50.6824, 32.1187, 38.6502



48.3060, 74.6267, 58.3174

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.



17.6955, 32.1187, 60.5466



50.6824, 32.1187, 38.6502



18.5730, 32.1187, 14.2015

Square

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



50.6824, 32.1187, 38.6502



31.7866, 32.1187, 5.4995



16.5811, 32.1187, 31.5345



29.3028, 32.1187, 108.8907

Rectangle

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



50.6824, 32.1187, 38.6502



43.8992, 32.1187, 10.4818



16.5811, 32.1187, 31.5345



20.1914, 32.1187, 82.4198

Sweetspot

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



50.6833, 32.1204, 38.6508



78.1636, 72.5494, 83.7804



41.8219, 26.3329, 93.3212



16.2239, 14.7166, 17.1451



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.



50.6833, 32.1204, 38.6508



49.0021, 28.0109, 31.5645



47.3019, 32.3979, 15.8191



17.5520, 17.3481, 19.4963



22.3787, 11.3672, 8.7025



2.1245, 1.0735, 1.0790

Inverse Universe

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



50.6833, 32.1204, 38.6508



49.0021, 28.0109, 31.5645



53.6721, 71.9326, 101.4982



17.5520, 17.3481, 19.4963



22.3787, 11.3672, 8.7025



2.1245, 1.0735, 1.0790

Previews

White Background



This preview shows how the XYZ color 50.6824, 32.1187, 38.6502 looks on a white background.

Color Contrast Check

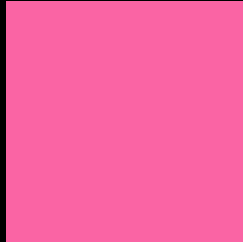
Large Text (above 18pt) WCAG AA × Fail

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 50.6824, 32.1187, 38.6502 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 50.6824, 32.1187, 38.6502

Background



This preview shows how black text looks on a background with the XYZ color 50.6824, 32.1187, 38.6502.



This preview shows how white text looks on a background with the XYZ color 50.6824, 32.1187,

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

50.6824, 32.1187, 38.6502

Protanopia

32.5766, 32.2845, 57.9406

Deuteranopia

32.9817, 32.2540, 36.3856



Tritanopia

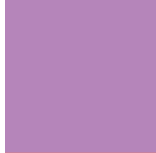
46.7929, 32.0290, 20.5456

Trichromacy



Original Color

50.6824, 32.1187, 38.6502



Protanomaly

36.3065, 30.1440, 50.3592



Deuteranomaly

37.7502, 30.7764, 37.2085



Tritanomaly

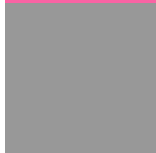
47.8149, 31.8035, 26.1728

Monochromacy



Original Color

50.6824, 32.1187, 38.6502



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

35.1273, 29.8667, 35.3659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6824, 32.1187, 38.6502 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(250, 100, 164)` looks like.

```
.text, #text, p{  
    color:rgb(250, 100, 164)  
}
```

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(250, 100, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 100, 164) }
```

Border

The CSS property to change the border of an element to XYZ 50.6824, 32.1187, 38.6502 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(250, 100, 164) }
```


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

```
.border{ border-color:rgb(250, 100, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 100, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 100, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 100, 164);  
box-shadow:4px 4px 4px 4px rgb(250, 100,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6824, 32.1187, 38.6502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 100, 164) }
```

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

```
.background{ background-color: rgb(250,  
100, 164) }
```

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