

Converting Colors

XYZ(50.6869, 32.1633, 36.7947)

Have a look what the booklet for
XYZ(50.6869, 32.1633, 36.7947)
contains.

XYZ(50.6860, 32.1616, 36.7941)	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(50.6860, 32.1616,
36.7941)**

Conversions

Conversions Part 1

Format	Color
Hex	FB64A0
RGB	251, 100, 160
RGB Percent	98%, 39%, 63%
CMY	0.0157, 0.6078, 0.3725
CMYK	0.00, 0.60, 0.36, 0.02
HSL	336°, 95%, 69%
HSV	336°, 60%, 98%
XYZ	50.6860, 32.1616, 36.7941
YIQ	151.9890, 70.7360, 50.6720

Conversions

Conversions Part 2

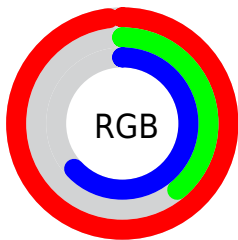
Format	Color
RYB	251, 100, 160
Decimal	16475296
CIELab	63.48, 62.89, -2.28
CIElCh	63, 62.936, 357.926
Yxy	32.1616, 0.4236, 0.2688
Android (android.graphics.Color)	4294665376 (0xFFFB64A0)
YUV	151.9890, 3.9494, 86.8326
Hunter-Lab	56.7112, 60.2909, 1.2306

Details

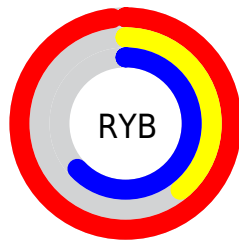
The XYZ color **50.6860, 32.1616, 36.7941** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **49.1585, 75.4661, 61.2702**, and the grayscale version is **29.8037, 31.3558, 34.1465**.

A 20% lighter version of the original color is **65.5627, 50.2802, 70.5395**, and **24.6886, 13.4375, 15.7605** is the 20% darker color. If you saturate the color by 10%, you get **47.3946, 27.5694, 29.5604**, and if you desaturate by 10%, it is **54.8815, 38.3041, 45.1242**.

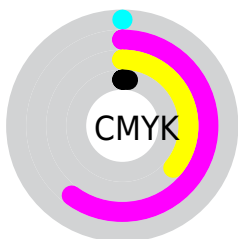
Distribution



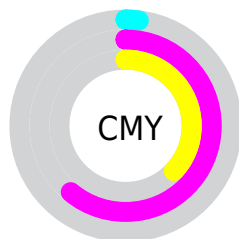
- Red (98%)
- Green (39%)
- Blue (63%)



- Red (98%)
- Yellow (39%)
- Blue (63%)



- Cyan (0%)
- Magenta (60%)
- Yellow (36%)
- Black (2%)





- Cyan (2%)
- Magenta (61%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6860, 32.1616, 36.7941 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 50.6860, 32.1616, 36.7941 by changing the saturation by 10% instead.


 50.6860, 32.1616,
36.7941


 50.6860, 32.1616,
36.7941


379.7504,
311.8547, 347.5600


 36.1788, 21.4850,
24.7536


 90.3762, 63.0643,
71.4388


 24.7431, 13.4790,
15.6762


 116.2899, 84.0592,
94.8800

 16.0134, 7.7592,
9.1435


 146.7366,
109.2623, 122.9586

 9.6246, 3.9412,
4.7368

 182.0814,
139.0580, 156.0930

 5.2111, 1.6407,
2.0376

222.6899,
173.8307, 194.7018

 2.4077, 0.3848,
0.5783

268.9273,

 0.8489, 0.0000,

213.9648, 239.2036

0.0000

321.1590,
259.8447, 290.0168

■ 0.0000, 0.0000,
0.0000

■ 50.6860, 32.1616,
36.7941

■ 50.6860, 32.1616,
36.7941

■ 47.3946, 27.5694,
29.5604

■ 54.8815, 38.3041,
45.1242

■ 44.9284, 24.3790,
23.3675

■ 60.0455, 46.1174,
54.5983

■ 43.1978, 22.4212,
18.1559

■ 66.2394, 55.7157,
65.2629

■ 42.0708, 21.4241,
13.9055

■ 73.5186, 67.2016,
77.1609

■ 81.9342, 80.6700,
90.3330

91.5341, 96.2094,
104.8178

93.5937, 99.2492,
108.8318

Harmonies

Analogous

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



47.1828, 32.1616, 67.3980



50.6860, 32.1616, 36.7941



48.0019, 32.1616, 16.9332

Triad

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



50.6860, 32.1616, 36.7941



23.3377, 32.1616, 7.3463



22.4665, 32.1616, 93.8817

Complementary

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



50.6860, 32.1616, 36.7941



49.1585, 75.4661, 61.2702

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.



17.9681, 32.1616, 62.8252



50.6860, 32.1616, 36.7941



18.3994, 32.1616, 15.1373

Square

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



50.6860, 32.1616, 36.7941



31.1825, 32.1616, 5.5450



16.6337, 32.1616, 33.3010



29.9629, 32.1616, 108.7571

Rectangle

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



50.6860, 32.1616, 36.7941



43.3052, 32.1616, 10.0255



16.6337, 32.1616, 33.3010



20.6117, 32.1616, 84.4326

Sweetspot

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



50.6869, 32.1633, 36.7947



77.9767, 72.4747, 82.7964



43.3568, 27.1060, 94.2137



16.1786, 14.6985, 16.9066



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.



50.6869, 32.1633, 36.7947



48.5795, 27.8418, 29.3389



48.2274, 33.7155, 16.0246



17.5303, 17.3395, 19.3821



22.1811, 11.2881, 7.6618



2.1050, 1.0657, 0.9763

Inverse Universe

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



50.6869, 32.1633, 36.7947



48.5795, 27.8418, 29.3389



52.6360, 69.6087, 101.9285



17.5303, 17.3395, 19.3821



22.1811, 11.2881, 7.6618



2.1050, 1.0657, 0.9763

Previews

White Background



This preview shows how the XYZ color 50.6860, 32.1616, 36.7941 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 50.6860, 32.1616, 36.7941 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 50.6860, 32.1616, 36.7941

Background



This preview shows how black text looks on a background with the XYZ color 50.6860, 32.1616, 36.7941.



This preview shows how white text looks on a background with the XYZ color 50.6860, 32.1616,

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

50.6860, 32.1616, 36.7941

Protanopia

32.5185, 32.5620, 55.0233

Deuteranopia

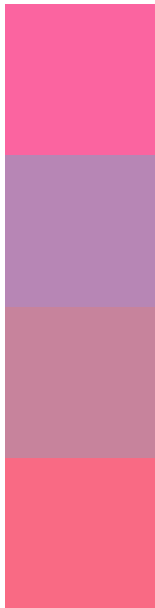
32.8594, 32.2298, 34.6261



Tritanopia

47.3324, 32.1547, 20.2348

Trichromacy



Original Color

50.6860, 32.1616, 36.7941

Protanomaly

36.3940, 30.4537, 47.6760

Deuteranomaly

37.6702, 30.7750, 35.4072

Tritanomaly

48.3858, 32.1137, 25.4782

Monochromacy



Original Color

50.6860, 32.1616, 36.7941

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

35.0430, 29.8330, 34.9217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6860, 32.1616, 36.7941 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(251, 100, 160)` looks like.

```
.text, #text, p{  
    color:rgb(251, 100, 160)  
}
```

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(251, 100, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 100, 160) }
```

Border

The CSS property to change the border of an element to XYZ 50.6860, 32.1616, 36.7941 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(251, 100, 160) }
```


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

```
.border{ border-color:rgb(251, 100, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 100, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 100, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 100, 160);  
box-shadow:4px 4px 4px 4px rgb(251, 100,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6860, 32.1616, 36.7941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 100, 160) }
```

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

```
.background{ background-color: rgb(251,  
100, 160) }
```

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