

Converting Colors

XYZ(51.3671, 42.7516, 16.6360)

Have a look what the booklet for
XYZ(51.3671, 42.7516, 16.6360)
contains.

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Color

**XYZ(51.1840, 42.5706,
16.5856)**

Conversions

Conversions Part 1

Format	Color
Hex	F69760
RGB	246, 151, 96
RGB Percent	96%, 59%, 38%
CMY	0.0353, 0.4078, 0.6235
CMYK	0.00, 0.39, 0.61, 0.04
HSL	22°, 89%, 67%
HSV	22°, 61%, 96%
XYZ	51.1840, 42.5706, 16.5856
YIQ	173.1350, 74.2750, 3.0350

Conversions

Conversions Part 2

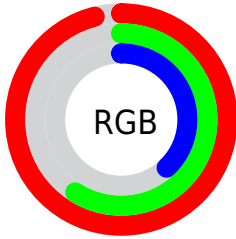
Format	Color
R_{YB}	246, 183, 96
Decimal	16160608
CIE _{Lab}	71.26, 30.66, 43.64
CIE _{LCh}	71, 53.332, 54.913
Yxy	42.5706, 0.4639, 0.3858
Android (android.graphics.Color)	4294350688 (0xFFFF69760)
YUV	173.1350, -38.0276, 63.9026
Hunter-Lab	65.2461, 25.8481, 30.6008

Details

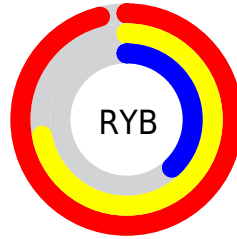
The XYZ color **51.1840, 42.5706, 16.5856** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **40.0881, 46.3998, 94.0316**, and the grayscale version is **39.9519, 42.0325, 45.7734**.

A 20% lighter version of the original color is **68.6566, 67.5407, 37.4350**, and **24.9825, 19.4432, 5.1255** is the 20% darker color. If you saturate the color by 10%, you get **47.8800, 37.5005, 10.7438**, and if you desaturate by 10%, it is **55.1757, 48.4494, 24.4050**.

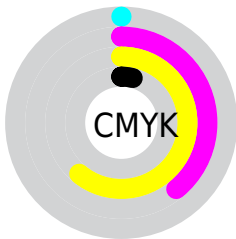
Distribution



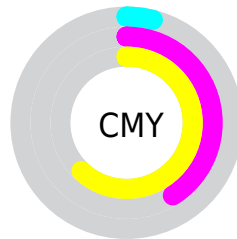
- Red (96%)
- Green (59%)
- Blue (38%)



- Red (96%)
- Yellow (72%)
- Blue (38%)



- Cyan (0%)
- Magenta (39%)
- Yellow (61%)
- Black (4%)





- Cyan (4%)
- Magenta (41%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1840, 42.5706, 16.5856 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 51.1840, 42.5706, 16.5856 by changing the saturation by 10% instead.


 51.1840, 42.5706,
16.5856


 51.1840, 42.5706,
16.5856


381.6541,
356.8429, 244.7354

 36.5767, 29.5483,
9.7807


 91.1081, 79.0625,
38.3927

 25.0521, 19.4960,
5.1501


 117.1556,
103.3009, 54.2320

 16.2448, 12.0292,
2.2753

 147.7471,
132.0468, 73.9198

 9.7895, 6.7636,
0.7173

 183.2482,
165.6846, 97.8746

 5.3208, 3.3147,
0.0000

224.0241,
204.5988, 126.5151

 2.4734, 1.2982,
0.0000

270.4401,

 0.8818, 0.1398,

249.1736, 160.2597

0.0000

322.8617,
299.7935, 199.5269

■ 0.0000, 0.0000,
0.0000

■ 51.1840, 42.5706,
16.5856

■ 51.1840, 42.5706,
16.5856

■ 47.8800, 37.5005,
10.7438

■ 55.1757, 48.4494,
24.4050

■ 45.2133, 33.1930,
6.6923

■ 59.8940, 55.1668,
34.3612

■ 43.1302, 29.6065,
4.2107

■ 65.3784, 62.7587,
46.5997

■ 41.6797, 26.9405,
3.0033

■ 71.6642, 71.2570,
61.2526

■ 78.7844, 80.6916,
78.4416

86.7701, 91.0913,
98.2802

91.8159, 98.3327,
108.7486

Harmonies

Analogous

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



58.1656, 42.5706, 28.5345



51.1840, 42.5706, 16.5856



42.0076, 42.5706, 12.5492

Triad

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



51.1840, 42.5706, 16.5856



25.6256, 42.5706, 42.1171



48.1539, 42.5706, 106.9712

Complementary

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



51.1840, 42.5706, 16.5856



40.0881, 46.3998, 94.0316

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.



38.9550, 42.5706, 114.8267



51.1840, 42.5706, 16.5856



26.7734, 42.5706, 70.3707

Square

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



51.1840, 42.5706, 16.5856



27.9491, 42.5706, 23.3989



31.3529, 42.5706, 99.5180



56.2432, 42.5706, 80.8525

Rectangle

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



51.1840, 42.5706, 16.5856



36.1924, 42.5706, 13.1728



31.3529, 42.5706, 99.5180



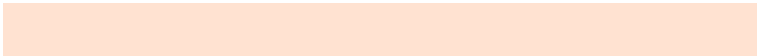
45.0550, 42.5706, 112.1635

Sweetspot

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



51.1850, 42.5728, 16.5864



79.9388, 80.2241, 71.6581



51.5929, 31.7204, 52.6938



16.6483, 16.5550, 14.2355



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.



51.1850, 42.5728, 16.5864



51.2712, 39.6111, 10.5493



67.3136, 74.8299, 21.9626



16.9967, 17.4776, 17.2752



22.3692, 14.6240, 1.6437



2.0605, 1.4743, 0.1760

Inverse Universe

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



40.0881, 46.3998, 94.0316



38.2083, 43.9091, 101.0693



27.7041, 21.6318, 89.9036



16.4560, 17.6764, 21.0871



15.3441, 16.4819, 48.9106



1.4464, 1.6442, 4.3314

Previews

White Background



This preview shows how the XYZ color 51.1840, 42.5706, 16.5856 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 51.1840, 42.5706, 16.5856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

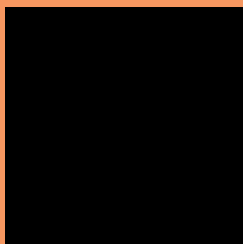
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1840, 42.5706, 16.5856

Background



This preview shows how black text looks on a background with the XYZ color 51.1840, 42.5706, 16.5856.



This preview shows how white text looks on a background with the XYZ color 51.1840, 42.5706,

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

51.1840, 42.5706, 16.5856

Protanopia

39.3656, 42.7562, 19.5426

Deuteranopia

43.5261, 42.7239, 16.3084



Tritanopia

55.2303, 42.6036, 35.8842

Trichromacy



Original Color

51.1840, 42.5706, 16.5856

Protanomaly

42.8985, 42.0806, 18.4318

Deuteranomaly

46.1293, 42.4666, 16.3553

Tritanomaly

53.7343, 42.7006, 27.6002

Monochromacy



Original Color

51.1840, 42.5706, 16.5856

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.3854, 41.2340, 32.5131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1840, 42.5706, 16.5856 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(246, 151, 96)` looks like.

```
.text, #text, p{  
    color:rgb(246, 151, 96)  
}
```

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(246, 151, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 151, 96) }
```

Border

The CSS property to change the border of an element to XYZ 51.1840, 42.5706, 16.5856 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(246, 151, 96) }
```


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

```
.border{ border-color:rgb(246, 151, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 151, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 151, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 151, 96);  
box-shadow:4px 4px 4px 4px rgb(246, 151,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1840, 42.5706, 16.5856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 151, 96) }
```

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

```
.background{ background-color: rgb(246,  
151, 96) }
```

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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