

Converting Colors

XYZ(18.5440, 14.5429, 3.2638)

Have a look what the booklet for
XYZ(18.5440, 14.5429, 3.2638)
contains.

XYZ(18.5830, 14.6076, 3.2790)	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(18.5830, 14.6076,
3.2790)**

Conversions

Conversions Part 1

Format	Color
Hex	A25721
RGB	162, 87, 33
RGB Percent	64%, 34%, 13%
CMY	0.3647, 0.6588, 0.8706
CMYK	0.00, 0.46, 0.80, 0.36
HSL	25°, 66%, 38%
HSV	25°, 80%, 64%
XYZ	18.5830, 14.6076, 3.2790
YIQ	103.2690, 62.0340, -0.8940

Conversions

Conversions Part 2

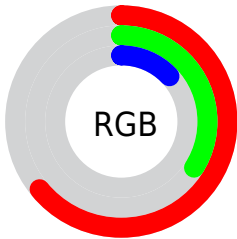
Format	Color
R_{YB}	162, 126, 33
Decimal	10639137
CIE _{Lab}	45.09, 26.87, 43.11
CIE _{LCh}	45, 50.797, 58.062
Yxy	14.6076, 0.5095, 0.4005
Android (android.graphics.Color)	4288829217 (0xFFA25721)
YUV	103.2690, -34.6426, 51.5071
Hunter-Lab	38.2199, 19.9042, 21.6673

Details

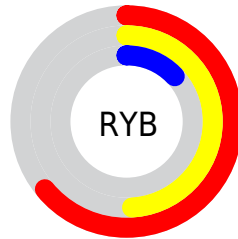
The XYZ color **18.5830, 14.6076, 3.2790** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.5110, 13.6563, 36.1587**, and the grayscale version is **13.0414, 13.7205, 14.9416**.

A 20% lighter version of the original color is **40.6979, 34.3006, 12.2603**, and **6.5845, 4.5208, 0.5256** is the 20% darker color. If you saturate the color by 10%, you get **17.6950, 13.1115, 2.1204**, and if you desaturate by 10%, it is **19.6804, 16.3480, 5.0464**.

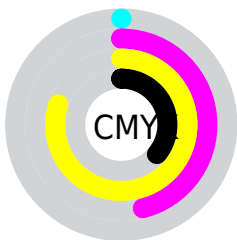
Distribution



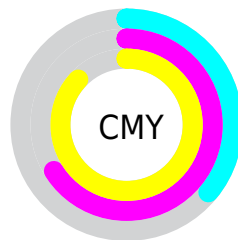
- Red (64%)
- Green (34%)
- Blue (13%)



- Red (64%)
- Yellow (49%)
- Blue (13%)



- Cyan (0%)
- Magenta (46%)
- Yellow (80%)
- Black (36%)



- Cyan (36%)
- Magenta (66%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5830, 14.6076, 3.2790 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 18.5830, 14.6076, 3.2790 by changing the saturation by 10% instead.

■ 18.5830, 14.6076,
3.2790

■ 18.5830, 14.6076,
3.2790

237.1195,
220.9787, 139.8384

■ 11.4716, 8.5445,
1.2388

■ 40.5506, 34.1633,
12.3095

■ 6.4546, 4.4453,
0.0108

■ 56.1375, 48.4247,
20.1368

■ 3.1667, 1.9256,
0.0000

■ 75.2803, 66.1875,
30.7303

■ 1.2425, 0.5637,
0.0000

■ 98.3442, 87.8364,
44.5084

■ 0.1395, 0.0000,
0.0000

■ 125.6948,
113.7555, 61.8897

■ 0.0000, 0.0000,
0.0000

■ 157.6973,

144.3293, 83.2928

194.7171,
179.9422, 109.1362

18.5830, 14.6076,
3.2790

18.5830, 14.6076,
3.2790

17.6950, 13.1115,
2.1204

19.6804, 16.3480,
5.0464

16.9808, 11.8374,
1.4072

21.0037, 18.3430,
7.4959

16.9564, 11.7937,
1.3827

22.5684, 20.6052,
10.6912

24.3883, 23.1451,
14.6884

26.4758, 25.9729,
19.5380

■ 28.8427, 29.0979,
25.2865

■ 31.4998, 32.5292,
31.9768

■ 34.4574, 36.2754,
39.6493

■ 37.7251, 40.3446,
48.3417

Harmonies

Analogous

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



22.2497, 14.6076, 7.3502



18.5830, 14.6076, 3.2790



14.1576, 14.6076, 2.2109

Triad

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



18.5830, 14.6076, 3.2790



7.3025, 14.6076, 15.1397



18.0173, 14.6076, 46.0784

Complementary

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



18.5830, 14.6076, 3.2790



12.5110, 13.6563, 36.1587

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.



13.6141, 14.6076, 51.7687



18.5830, 14.6076, 3.2790



7.9323, 14.6076, 29.3719

Square

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



18.5830, 14.6076, 3.2790



8.1208, 14.6076, 6.5737



10.0526, 14.6076, 44.5150



21.8797, 14.6076, 31.4476

Rectangle

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



18.5830, 14.6076, 3.2790



11.5389, 14.6076, 2.5255



10.0526, 14.6076, 44.5150



16.5272, 14.6076, 49.3459

Sweetspot

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



18.5833, 14.6084, 3.2793



50.2231, 50.0179, 40.6581



18.1642, 9.8572, 15.2026



10.9574, 10.8064, 8.3533



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.5833, 14.6084, 3.2793



31.0577, 21.8851, 2.8304



26.2815, 30.0048, 5.8453



7.3060, 7.5505, 7.4524



13.3995, 9.3730, 1.1029



0.3278, 0.2894, 0.0386

Inverse Universe

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



12.5110, 13.6563, 36.1587



19.4820, 19.8634, 64.8633



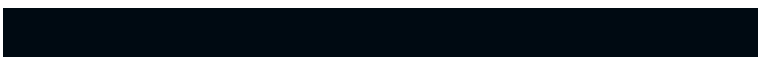
8.0403, 4.7149, 34.6684



7.0264, 7.5118, 8.9827



8.3472, 8.4739, 28.1255



0.2206, 0.2685, 0.6060

Previews

White Background



This preview shows how the XYZ color 18.5830, 14.6076, 3.2790 looks on a white 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

Black Background



This preview shows how the XYZ color 18.5830, 14.6076, 3.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

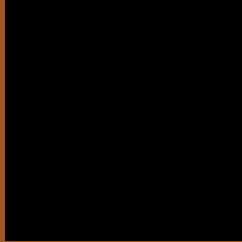
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5830, 14.6076, 3.2790

Background



This preview shows how black text looks on a background with the XYZ color 18.5830, 14.6076, 3.2790.



This preview shows how white text looks on a background with the XYZ color 18.5830, 14.6076,

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

18.5830, 14.6076, 3.2790

Protanopia

13.3533, 14.6484, 3.9574

Deuteranopia

14.9526, 14.7375, 3.1551



Tritanopia

20.2546, 14.7220, 10.7909

Trichromacy



Original Color

18.5830, 14.6076, 3.2790

Protanomaly

14.8673, 14.3926, 3.6635

Deuteranomaly

16.1861, 14.6629, 3.2054

Tritanomaly

19.4933, 14.6384, 7.1083

Monochromacy



Original Color

18.5830, 14.6076, 3.2790

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.9620, 13.3845, 9.0553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5830, 14.6076, 3.2790 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(162, 87, 33)` looks like.

```
.text, #text, p{  
    color:rgb(162, 87, 33)  
}
```

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(162, 87, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 87, 33) }
```

Border

The CSS property to change the border of an element to XYZ 18.5830, 14.6076, 3.2790 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(162, 87, 33) }
```


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

```
.border{ border-color:rgb(162, 87, 33) }
```

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

Here you see how a box with a 4 pixel rgb(162, 87, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 87, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 87, 33);  
box-shadow:4px 4px 4px 4px rgb(162, 87,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5830, 14.6076, 3.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 87, 33) }
```

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

```
.background{ background-color: rgb(162, 87,  
33) }
```

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