

Converting Colors

XYZ(18.6632, 20.2362, 9.2403)

Have a look what the booklet for
XYZ(18.6632, 20.2362, 9.2403)
contains.

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Color

**XYZ(18.5636, 20.1306,
9.2105)**

Conversions

Conversions Part 1

Format	Color
Hex	887C49
RGB	136, 124, 73
RGB Percent	53%, 49%, 29%
CMY	0.4667, 0.5137, 0.7137
CMYK	0.00, 0.09, 0.46, 0.47
HSL	49°, 30%, 41%
HSV	49°, 46%, 53%
XYZ	18.5636, 20.1306, 9.2105
YIQ	121.7740, 23.5230, -13.3170

Conversions

Conversions Part 2

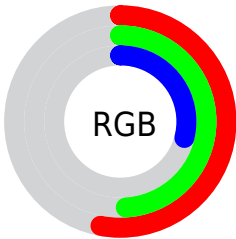
Format	Color
R_{YB}	88, 136, 73
Decimal	8944713
CIE _{Lab}	51.98, -2.94, 29.42
CIE _{LCh}	52, 29.566, 95.705
Yxy	20.1306, 0.3875, 0.4202
Android (android.graphics.Color)	4287134793 (0xFF887C49)
YUV	121.7740, -24.0456, 12.4762
Hunter-Lab	44.8671, -4.6638, 19.2357

Details

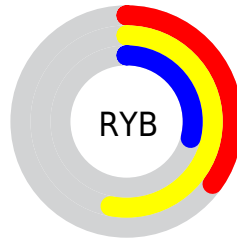
The XYZ color **18.5636, 20.1306, 9.2105** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.4400, 9.6907, 24.6128**, and the grayscale version is **18.4959, 19.4592, 21.1910**.

A 20% lighter version of the original color is **40.5863, 43.5571, 25.0071**, and **6.4602, 7.0426, 2.0558** is the 20% darker color. If you saturate the color by 10%, you get **17.8410, 19.3298, 6.9832**, and if you desaturate by 10%, it is **19.3943, 20.9898, 11.9609**.

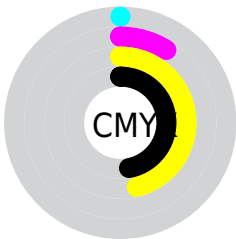
Distribution



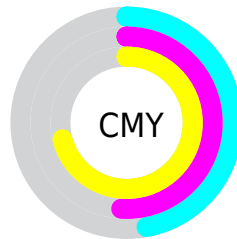
- Red (53%)
- Green (49%)
- Blue (29%)



- Red (35%)
- Yellow (53%)
- Blue (29%)



- Cyan (0%)
- Magenta (9%)
- Yellow (46%)
- Black (47%)



- Cyan (47%)
- Magenta (51%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5636, 20.1306, 9.2105 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 18.5636, 20.1306, 9.2105 by changing the saturation by 10% instead.

■ 18.5636, 20.1306,
9.2105

■ 18.5636, 20.1306,
9.2105

237.0135,
252.6213, 195.2161

■ 11.4575, 12.4900,
4.7801

■ 40.5180, 43.6360,
24.8837

■ 6.4450, 7.0783,
2.0623

■ 56.0970, 60.2697,
36.9636

■ 3.1607, 3.5111,
0.5932

■ 75.2310, 80.6698,
52.4303

■ 1.2393, 1.4040,
0.0000

■ 98.2853, 105.2208,
71.7024

■ 0.1371, 0.2197,
0.0000

■ 125.6254,
134.3070, 95.1986

■ 0.0000, 0.0000,
0.0000

157.6166,

168.3129, 123.3372

194.6241,
207.6229, 156.5368

■ 18.5636, 20.1306,
9.2105

■ 18.5636, 20.1306,
9.2105

■ 17.8410, 19.3298,
6.9832

■ 19.3943, 20.9898,
11.9609

■ 17.2185, 18.5818,
5.2434

■ 20.3377, 21.9070,
15.2643

■ 16.6893, 17.8846,
3.9533

■ 21.3998, 22.8856,
19.1498

■ 16.2448, 17.2346,
3.0688

■ 22.5856, 23.9276,
23.6442

■ 15.8712, 16.6261,
2.5163

■ 23.9000, 25.0351,
28.7724

■ 15.7404, 16.4083,
2.3375

■ 25.3476, 26.2100,
34.5582

■ 26.9326, 27.4541,
41.0239

■ 28.6592, 28.7692,
48.1909

■ 30.5313, 30.1569,
56.0796

Harmonies

Analogous

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



21.6166, 20.1306, 10.0106



18.5636, 20.1306, 9.2105



15.9487, 20.1306, 11.0206

Triad

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



18.5636, 20.1306, 9.2105



14.8055, 20.1306, 33.0935



24.9123, 20.1306, 29.4757

Complementary

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



18.5636, 20.1306, 9.2105



10.4400, 9.6907, 24.6128

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.



22.7164, 20.1306, 38.3344



18.5636, 20.1306, 9.2105



16.8483, 20.1306, 40.7779

Square

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



18.5636, 20.1306, 9.2105



13.9300, 20.1306, 23.6092



19.7150, 20.1306, 42.9117



25.4942, 20.1306, 20.3111

Rectangle

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



18.5636, 20.1306, 9.2105



14.7367, 20.1306, 13.8385



19.7150, 20.1306, 42.9117



24.3280, 20.1306, 32.6556

Sweetspot

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



18.5641, 20.1315, 9.2109



38.1169, 40.6929, 35.2589



14.1996, 10.6650, 10.0302



8.7392, 9.3450, 7.8354



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.5641, 20.1315, 9.2109



31.3363, 33.9435, 11.9990



17.3564, 21.8782, 9.6117



5.3515, 5.6858, 5.3678



14.9041, 15.5427, 2.2145



0.1087, 0.1225, 0.0179

Inverse Universe

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



10.4400, 9.6907, 24.6128



15.1253, 13.1265, 42.7848



11.2303, 8.8131, 24.4017



4.8468, 5.0365, 6.3225



4.5590, 2.3884, 22.2664



0.0385, 0.0323, 0.1506

Previews

White Background



This preview shows how the XYZ color 18.5636, 20.1306, 9.2105 looks on a white 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

Black Background



This preview shows how the XYZ color 18.5636, 20.1306, 9.2105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

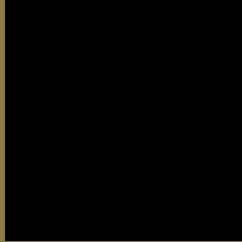
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.5636, 20.1306, 9.2105

Background



This preview shows how black text looks on a background with the XYZ color 18.5636, 20.1306, 9.2105.



This preview shows how white text looks on a background with the XYZ color 18.5636, 20.1306,

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

18.5636, 20.1306, 9.2105

Protanopia

18.5636, 20.1306, 9.2105

Deuteranopia

20.2921, 19.9353, 9.2570



Tritanopia

21.2937, 20.1519, 22.8461

Trichromacy



Original Color

18.5636, 20.1306, 9.2105

Protanomaly

18.5636, 20.1306, 9.2105

Deuteranomaly

19.6296, 19.9471, 9.2942

Tritanomaly

20.0178, 19.9834, 16.7121

Monochromacy



Original Color

18.5636, 20.1306, 9.2105

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.3340, 19.6774, 15.9285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5636, 20.1306, 9.2105 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(136, 124, 73)` looks like.

```
.text, #text, p{  
    color:rgb(136, 124, 73)  
}
```

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(136, 124, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 124, 73) }
```

Border

The CSS property to change the border of an element to XYZ 18.5636, 20.1306, 9.2105 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(136, 124, 73) }
```


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

```
.border{ border-color:rgb(136, 124, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 124, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 124, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 124, 73);  
box-shadow:4px 4px 4px 4px rgb(136, 124,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5636, 20.1306, 9.2105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 124, 73) }
```

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

```
.background{ background-color: rgb(136,  
124, 73) }
```

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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