

Converting Colors

XYZ(18.2509, 20.2744, 6.7418)

Have a look what the booklet for
XYZ(18.2509, 20.2744, 6.7418)
contains.

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Color

**XYZ(18.2008, 20.1870,
6.6786)**

Conversions

Conversions Part 1

Format	Color
Hex	887D38
RGB	136, 125, 56
RGB Percent	53%, 49%, 22%
CMY	0.4667, 0.5098, 0.7804
CMYK	0.00, 0.08, 0.59, 0.47
HSL	52°, 42%, 38%
HSV	52°, 59%, 53%
XYZ	18.2008, 20.1870, 6.6786
YIQ	120.4230, 28.7050, -19.1270

Conversions

Conversions Part 2

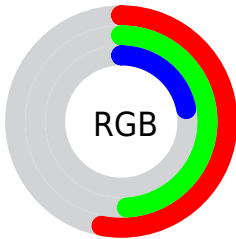
Format	Color
RYB	69, 136, 56
Decimal	8944952
CIELab	52.05, -5.11, 38.45
CIElCh	52, 38.788, 97.577
Yxy	20.1870, 0.4039, 0.4479
Android (android.graphics.Color)	4287135032 (0xFF887D38)
YUV	120.4230, -31.7605, 13.6610
Hunter-Lab	44.9299, -6.3183, 22.6378

Details

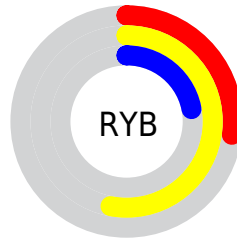
The XYZ color **18.2008, 20.1870, 6.6786** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.0820, 6.6325, 24.1468**, and the grayscale version is **18.0810, 19.0226, 20.7156**.

A 20% lighter version of the original color is **39.7578, 43.5406, 19.6733**, and **6.2680, 7.0647, 1.1768** is the 20% darker color. If you saturate the color by 10%, you get **17.6781, 19.6036, 5.0805**, and if you desaturate by 10%, it is **18.8193, 20.8174, 8.7550**.

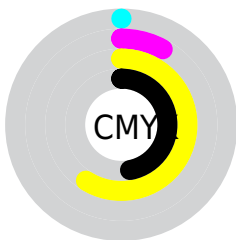
Distribution



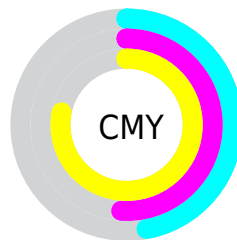
- Red (53%)
- Green (49%)
- Blue (22%)



- Red (27%)
- Yellow (53%)
- Blue (22%)



- Cyan (0%)
- Magenta (8%)
- Yellow (59%)
- Black (47%)



- Cyan (47%)
- Magenta (51%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2008, 20.1870, 6.6786 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 18.2008, 20.1870, 6.6786 by changing the saturation by 10% instead.

■ 18.2008, 20.1870,
6.6786

■ 18.2008, 20.1870,
6.6786

■ 235.0242,
252.9257, 174.4941

■ 11.1948, 12.5310,
3.1865

■ 39.9066, 43.7305,
19.8254

■ 6.2663, 7.1064,
1.1907

■ 55.3371, 60.3868,
30.3172

■ 3.0499, 3.5288,
0.0000

■ 74.3065, 80.8120,
43.9794

■ 1.1802, 1.4136,
0.0000

■ 97.1801, 105.3906,
61.2304

■ 0.0906, 0.2267,
0.0000

■ 124.3234,
134.5068, 82.4888

■ 0.0000, 0.0000,
0.0000

■ 156.1015,

168.5451, 108.1732

192.8800,
207.8900, 138.7021

■ 18.2008, 20.1870,
6.6786

■ 18.2008, 20.1870,
6.6786

■ 17.6781, 19.6036,
5.0805

■ 18.8193, 20.8174,
8.7550

■ 17.2423, 19.0612,
3.9200

■ 19.5389, 21.4947,
11.3437

■ 16.8850, 18.5573,
3.1515

■ 20.3661, 22.2222,
14.4769

■ 16.5849, 18.0833,
2.6623

■ 21.3064, 23.0022,
18.1838

■ 16.5503, 18.0282,
2.6075

■ 22.3652, 23.8368,
22.4917

■ 23.5472, 24.7281,
27.4259

■ 24.8570, 25.6778,
33.0105

■ 26.2990, 26.6878,
39.2681

■ 27.8771, 27.7597,
46.2203

Harmonies

Analogous

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



22.2396, 20.1870, 7.3594



18.2008, 20.1870, 6.6786



14.9094, 20.1870, 8.8343

Triad

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



18.2008, 20.1870, 6.6786



13.7645, 20.1870, 38.1352



27.1189, 20.1870, 31.3884

Complementary

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



18.2008, 20.1870, 6.6786



8.0820, 6.6325, 24.1468

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.



24.2136, 20.1870, 44.1800



18.2008, 20.1870, 6.6786



16.4276, 20.1870, 48.9184

Square

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



18.2008, 20.1870, 6.6786



12.5875, 20.1870, 24.9820



20.2085, 20.1870, 51.4458



27.7651, 20.1870, 19.2291

Rectangle

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



18.2008, 20.1870, 6.6786



13.4523, 20.1870, 12.2412



20.2085, 20.1870, 51.4458



26.3565, 20.1870, 35.8630

Sweetspot

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



18.2013, 20.1879, 6.6790



37.6245, 40.5982, 32.3507



12.6111, 8.4802, 6.4413



8.6092, 9.3175, 7.0755



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.



18.2013, 20.1879, 6.6790



30.8513, 34.1836, 8.1070



15.7024, 21.0820, 6.9833



5.3735, 5.7297, 5.3751



15.6693, 17.0730, 2.4696



0.1116, 0.1284, 0.0189

Inverse Universe

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



8.0820, 6.6325, 24.1468



11.2771, 7.9952, 41.9972



9.5145, 6.4910, 24.0439



4.8265, 4.9960, 6.3158



4.4260, 2.1224, 22.2221



0.0356, 0.0264, 0.1497

Previews

White Background



This preview shows how the XYZ color 18.2008, 20.1870, 6.6786 looks on a white background.

Color Contrast Check

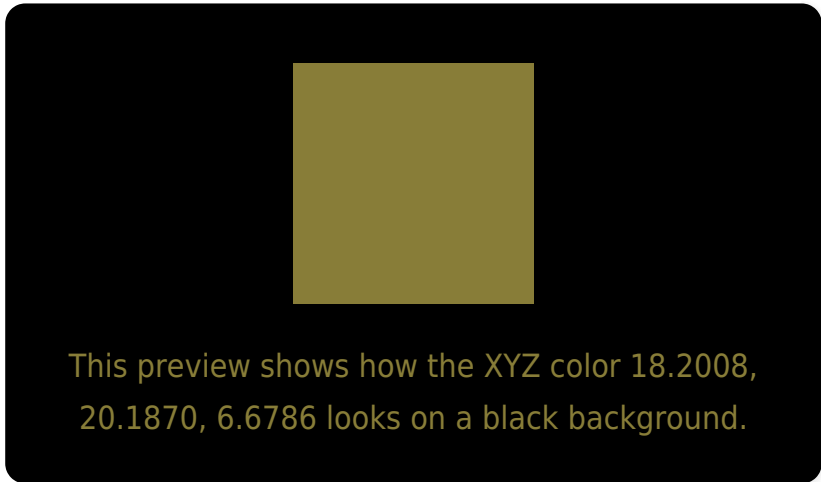
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 18.2008, 20.1870, 6.6786

Background



This preview shows how black text looks on a background with the XYZ color 18.2008, 20.1870, 6.6786.



This preview shows how white text looks on a background with the XYZ color 18.2008, 20.1870,

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

18.2008, 20.1870, 6.6786

Protanopia

18.4027, 20.1041, 6.6519

Deuteranopia

20.3790, 20.0347, 6.7960



Tritanopia

21.4645, 20.2400, 22.8541

Trichromacy



Original Color

18.2008, 20.1870, 6.6786

Protanomaly

18.2380, 20.0192, 6.6442

Deuteranomaly

19.6085, 20.1732, 6.7312

Tritanomaly

20.0016, 20.1898, 15.1547

Monochromacy



Original Color

18.2008, 20.1870, 6.6786

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.7214, 19.2178, 14.0846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2008, 20.1870, 6.6786 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, 125, 56)` looks like.

```
.text, #text, p{  
    color:rgb(136, 125, 56)  
}
```

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, 125, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 125, 56) }
```

Border

The CSS property to change the border of an element to XYZ 18.2008, 20.1870, 6.6786 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, 125, 56) }
```


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

```
.border{ border-color:rgb(136, 125, 56) }
```

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

Here you see how a box with a 4 pixel rgb(136, 125, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 125, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 125, 56);  
box-shadow:4px 4px 4px 4px rgb(136, 125,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2008, 20.1870, 6.6786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 125, 56) }
```

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

```
.background{ background-color: rgb(136,  
125, 56) }
```

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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