

Converting Colors

XYZ(19.8858, 17.0289, 6.2420)

Have a look what the booklet for
XYZ(19.8858, 17.0289, 6.2420)
contains.

XYZ(19.9146, 17.0864, 6.2514)	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(19.9146, 17.0864,
6.2514)**

Conversions

Conversions Part 1

Format	Color
Hex	A0653A
RGB	160, 101, 58
RGB Percent	63%, 40%, 23%
CMY	0.3726, 0.6039, 0.7725
CMYK	0.00, 0.37, 0.64, 0.37
HSL	25°, 47%, 43%
HSV	25°, 64%, 63%
XYZ	19.9146, 17.0864, 6.2514
YIQ	113.7390, 48.9670, -0.8650

Conversions

Conversions Part 2

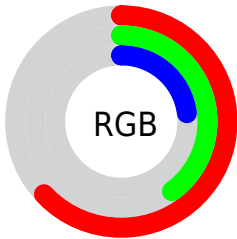
Format	Color
R_{YB}	160, 132, 58
Decimal	10511674
CIE Lab	48.37, 19.52, 33.82
CIE LCh	48, 39.053, 60.011
Yxy	17.0864, 0.4604, 0.3950
Android (android.graphics.Color)	4288701754 (0xFFA0653A)
YUV	113.7390, -27.4793, 40.5709
Hunter-Lab	41.3357, 13.6598, 19.9683

Details

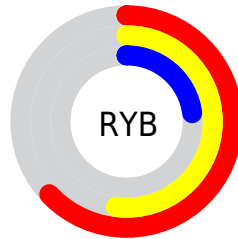
The XYZ color **19.9146, 17.0864, 6.2514** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.4510, 16.1594, 35.6150**, and the grayscale version is **15.9858, 16.8183, 18.3151**.

A 20% lighter version of the original color is **42.7432, 38.4025, 18.7953**, and **7.0944, 5.6079, 1.0563** is the 20% darker color. If you saturate the color by 10%, you get **18.7206, 15.2518, 4.1478**, and if you desaturate by 10%, it is **21.3371, 19.1758, 9.0555**.

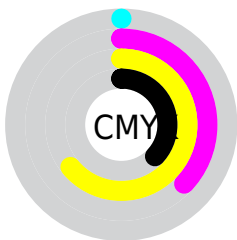
Distribution



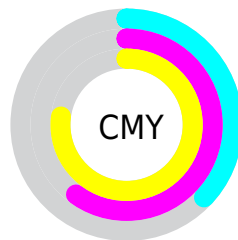
- Red (63%)
- Green (40%)
- Blue (23%)



- Red (63%)
- Yellow (52%)
- Blue (23%)



- Cyan (0%)
- Magenta (37%)
- Yellow (64%)
- Black (37%)





- Cyan (37%)
- Magenta (60%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.9146, 17.0864, 6.2514 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 19.9146, 17.0864, 6.2514 by changing the saturation by 10% instead.


 19.9146, 17.0864,
6.2514


 19.9146, 17.0864,
6.2514


244.2948,
235.6698, 170.6776


 12.4409, 10.2961,
2.9273


 42.7790, 38.4743,
18.9371

 7.1190, 5.5957,
1.0576


 58.9004, 53.8406,
29.1358

 3.5836, 2.6009,
0.0000

 78.6350, 72.8345,
42.4631

 1.4694, 0.9271,
0.0000

 102.3483, 95.8402,
59.3375

 0.3049, 0.0000,
0.0000

 130.4056,
123.2422, 80.1777

 0.0000, 0.0000,
0.0000

 163.1722,

155.4249, 105.4020

201.0135,
192.7726, 135.4291

■ 19.9146, 17.0864,
6.2514

■ 19.9146, 17.0864,
6.2514

■ 18.7206, 15.2518,
4.1478

■ 21.3371, 19.1758,
9.0555

■ 17.7384, 13.6578,
2.6787

■ 23.0007, 21.5279,
12.6162

■ 16.9504, 12.2924,
1.7665

■ 24.9184, 24.1535,
16.9848

■ 16.5315, 11.5424,
1.3566

■ 27.1016, 27.0619,
22.2078

■ 29.5613, 30.2619,
28.3283

■ 32.3076, 33.7620,
35.3863

■ 35.3500, 37.5700,
43.4194

■ 38.6977, 41.6938,
52.4632

■ 42.3594, 46.1408,
62.5513

Harmonies

Analogous

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



22.9316, 17.0864, 10.4084



19.9146, 17.0864, 6.2514



16.2388, 17.0864, 5.0647

Triad

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



19.9146, 17.0864, 6.2514



10.3024, 17.0864, 18.6080



19.9173, 17.0864, 41.3194

Complementary

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



19.9146, 17.0864, 6.2514



14.4510, 16.1594, 35.6150

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.



16.2414, 17.0864, 45.9658



19.9146, 17.0864, 6.2514



10.9962, 17.0864, 30.2578

Square

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



19.9146, 17.0864, 6.2514



10.9952, 17.0864, 10.4129



13.0479, 17.0864, 41.3259



22.9332, 17.0864, 30.2486

Rectangle

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



19.9146, 17.0864, 6.2514



14.0046, 17.0864, 5.5793



13.0479, 17.0864, 41.3259



18.7017, 17.0864, 43.8326

Sweetspot

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



19.9150, 17.0873, 6.2517



51.1035, 51.6172, 44.9887



19.2507, 11.7960, 18.2465



10.9501, 10.9838, 9.2303



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.9150, 17.0873, 6.2517



33.2852, 26.5672, 6.4121



26.4081, 30.0735, 8.4161



6.8514, 7.0828, 6.9917



12.9197, 9.0751, 1.0707



0.2719, 0.2441, 0.0328

Inverse Universe

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



14.4510, 16.1594, 35.6150



22.5334, 24.6670, 63.9601



10.0678, 7.3929, 34.1539



6.5873, 7.0403, 8.4184



8.0051, 8.1018, 27.0491



0.1844, 0.2275, 0.4974

Previews

White Background



This preview shows how the XYZ color 19.9146, 17.0864, 6.2514 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 19.9146, 17.0864, 6.2514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

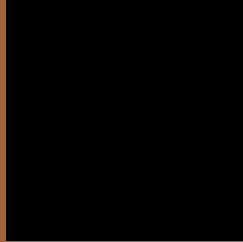
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9146, 17.0864, 6.2514

Background



This preview shows how black text looks on a background with the XYZ color 19.9146, 17.0864, 6.2514.



This preview shows how white text looks on a background with the XYZ color 19.9146, 17.0864,

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

19.9146, 17.0864, 6.2514

Protanopia

15.7803, 17.1324, 7.1778

Deuteranopia

17.4451, 17.1882, 6.1396



Tritanopia

21.7353, 17.1315, 14.9931

Trichromacy



Original Color

19.9146, 17.0864, 6.2514

Protanomaly

17.0657, 16.9778, 6.7925

Deuteranomaly

18.3906, 17.2004, 6.2216

Tritanomaly

20.9883, 17.1049, 11.2122

Monochromacy



Original Color

19.9146, 17.0864, 6.2514

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.8491, 16.5707, 12.9001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9146, 17.0864, 6.2514 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(160, 101, 58)` looks like.

```
.text, #text, p{  
    color:rgb(160, 101, 58)  
}
```

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(160, 101, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 101, 58) }
```

Border

The CSS property to change the border of an element to XYZ 19.9146, 17.0864, 6.2514 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(160, 101, 58) }
```


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

```
.border{ border-color:rgb(160, 101, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 101, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 101, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 101, 58);  
box-shadow:4px 4px 4px 4px rgb(160, 101,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9146, 17.0864, 6.2514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 101, 58) }
```

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

```
.background{ background-color: rgb(160,  
101, 58) }
```

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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