

Converting Colors

XYZ(20.1856, 17.8546, 4.6679)

Have a look what the booklet for
XYZ(20.1856, 17.8546, 4.6679)
contains.

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Color

**XYZ(20.1856, 17.8546,
4.6679)**

Conversions

Conversions Part 1

Format	Color
Hex	A1692B
RGB	161, 105, 43
RGB Percent	63%, 41%, 17%
CMY	0.3686, 0.5882, 0.8314
CMYK	0.00, 0.35, 0.73, 0.37
HSL	32°, 58%, 40%
HSV	32°, 73%, 63%
XYZ	20.1856, 17.8546, 4.6679
YIQ	114.6760, 53.2780, -7.4100

Conversions

Conversions Part 2

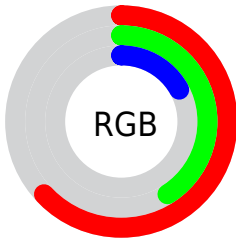
Format	Color
R_{YB}	150, 161, 43
Decimal	10578219
CIE Lab	49.32, 16.76, 42.62
CIE LCh	49, 45.800, 68.530
Yxy	17.8546, 0.4726, 0.4181
Android (android.graphics.Color)	4288768299 (0xFFA1692B)
YUV	114.6760, -35.3363, 40.6261
Hunter-Lab	42.2547, 11.3259, 23.0285

Details

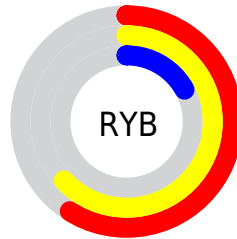
The XYZ color **20.1856, 17.8546, 4.6679** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.8910, 12.0101, 35.4096**, and the grayscale version is **16.2902, 17.1386, 18.6639**.

A 20% lighter version of the original color is **43.0337, 39.6097, 15.5025**, and **7.3388, 6.0294, 0.7770** is the 20% darker color. If you saturate the color by 10%, you get **19.2030, 16.2726, 3.1598**, and if you desaturate by 10%, it is **21.3555, 19.6250, 6.8140**.

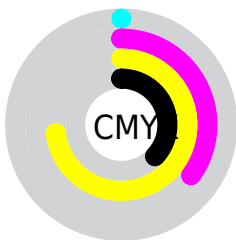
Distribution



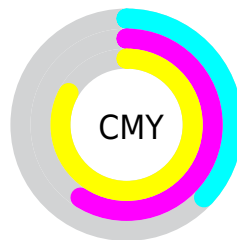
- Red (63%)
- Green (41%)
- Blue (17%)



- Red (59%)
- Yellow (63%)
- Blue (17%)



- Cyan (0%)
- Magenta (35%)
- Yellow (73%)
- Black (37%)





- Cyan (37%)
- Magenta (59%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1856, 17.8546, 4.6679 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 20.1856, 17.8546, 4.6679 by changing the saturation by 10% instead.


 20.1856, 17.8546,
4.6679


 20.1856, 17.8546,
4.6679


245.7326,
240.0502, 155.3826


 12.6391, 10.8456,
1.9985


 43.2297, 39.7894,
15.5230


 7.2558, 5.9631,
0.5543


 59.4580, 55.4841,
24.5457


 3.6703, 2.8227,
0.0000

 79.3109, 74.8427,
36.5233

 1.5174, 1.0399,
0.0000

 103.1539, 98.2498,
51.8742

 0.3376, 0.0000,
0.0000

 131.3521,
126.0897, 71.0171

 0.0000, 0.0000,
0.0000

 164.2711,

158.7468, 94.3704

202.2761,
196.6055, 122.3527

■ 20.1856, 17.8546,
4.6679

■ 20.1856, 17.8546,
4.6679

■ 19.2030, 16.2726,
3.1598

■ 21.3555, 19.6250,
6.8140

■ 18.3901, 14.8666,
2.2109

■ 22.7256, 21.5894,
9.6623

■ 17.9148, 14.0109,
1.7602

■ 24.3087, 23.7564,
13.2702

■ 26.1160, 26.1331,
17.6888

■ 28.1579, 28.7263,
22.9647

■ 30.4440, 31.5423,
29.1410

■ 32.9833, 34.5870,
36.2579

■ 35.7844, 37.8663,
44.3529

■ 38.8554, 41.3855,
53.4618

Harmonies

Analogous

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



24.3084, 17.8546, 8.0928



20.1856, 17.8546, 4.6679



15.7713, 17.8546, 4.1536

Triad

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



20.1856, 17.8546, 4.6679



10.0270, 17.8546, 23.1750



22.6695, 17.8546, 44.5239

Complementary

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



20.1856, 17.8546, 4.6679



11.8910, 12.0101, 35.4096

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.



18.2285, 17.8546, 53.5947



20.1856, 17.8546, 4.6679



11.2811, 17.8546, 38.2741

Square

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



20.1856, 17.8546, 4.6679



10.3711, 17.8546, 11.9874



14.1159, 17.8546, 50.9203



25.9029, 17.8546, 29.4783

Rectangle

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



20.1856, 17.8546, 4.6679



13.3141, 17.8546, 5.1611



14.1159, 17.8546, 50.9203



21.2410, 17.8546, 48.6109

Sweetspot

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



20.1860, 17.8555, 4.6682



50.7701, 51.8730, 42.0330



17.8638, 10.2257, 13.0975



10.9225, 11.1110, 8.6583



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.



20.1860, 17.8555, 4.6682



33.4317, 27.5055, 4.4720



27.4856, 33.0385, 7.2141



7.3673, 7.6730, 7.4728



14.3491, 11.2722, 1.4195



0.3485, 0.3308, 0.0455

Inverse Universe

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



11.8910, 12.0101, 35.4096



17.7640, 16.4958, 62.6343



8.3778, 4.8583, 34.2143



6.9647, 7.3884, 8.9621



7.2645, 6.3084, 27.7645



0.1999, 0.2271, 0.5991

Previews

White Background



This preview shows how the XYZ color 20.1856, 17.8546, 4.6679 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 20.1856, 17.8546, 4.6679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

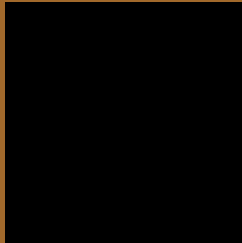
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1856, 17.8546, 4.6679

Background



This preview shows how black text looks on a background with the XYZ color 20.1856, 17.8546, 4.6679.



This preview shows how white text looks on a background with the XYZ color 20.1856, 17.8546,

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

20.1856, 17.8546, 4.6679

Protanopia

16.3516, 17.9874, 5.2994

Deuteranopia

18.2270, 17.9515, 4.6021



Tritanopia

22.5804, 17.9636, 15.9129

Trichromacy



Original Color

20.1856, 17.8546, 4.6679

Protanomaly

17.5536, 17.7583, 5.0873

Deuteranomaly

18.8355, 17.7798, 4.6296

Tritanomaly

21.5249, 17.8244, 10.4896

Monochromacy



Original Color

20.1856, 17.8546, 4.6679

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.0033, 16.9957, 11.8355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1856, 17.8546, 4.6679 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(161, 105, 43)` looks like.

```
.text, #text, p{  
    color:rgb(161, 105, 43)  
}
```

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(161, 105, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 105, 43) }
```

Border

The CSS property to change the border of an element to XYZ 20.1856, 17.8546, 4.6679 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(161, 105, 43) }
```


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

```
.border{ border-color:rgb(161, 105, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 105, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 105, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 105, 43);  
box-shadow:4px 4px 4px 4px rgb(161, 105,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1856, 17.8546, 4.6679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 105, 43) }
```

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

```
.background{ background-color: rgb(161,  
105, 43) }
```

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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