

Converting Colors

XYZ(20.1702, 19.9543, 23.1413)

Have a look what the booklet for
XYZ(20.1702, 19.9543, 23.1413)
contains.

XYZ(20.1285, 19.8970, 23.2017)	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(20.1285, 19.8970,
23.2017)**

Conversions

Conversions Part 1

Format	Color
Hex	847880
RGB	132, 120, 128
RGB Percent	52%, 47%, 50%
CMY	0.4823, 0.5294, 0.4980
CMYK	0.00, 0.09, 0.03, 0.48
HSL	320°, 5%, 49%
HSV	320°, 9%, 52%
XYZ	20.1285, 19.8970, 23.2017
YIQ	124.5000, 4.5840, 5.0320

Conversions

Conversions Part 2

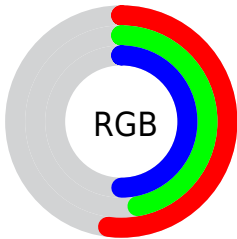
Format	Color
RYB	132, 120, 128
Decimal	8681600
CIELab	51.72, 6.13, -2.70
CIELCh	52, 6.699, 336.244
Yxy	19.8970, 0.3184, 0.3147
Android (android.graphics.Color)	4286871680 (0xFF847880)
YUV	124.5000, 1.7255, 6.5775
Hunter-Lab	44.6061, 2.4876, 0.3847

Details

The XYZ color **20.1285, 19.8970, 23.2017** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.6359, 21.9514, 22.2720**, and the grayscale version is **19.3190, 20.3251, 22.1340**.

A 20% lighter version of the original color is **43.1006, 43.1555, 49.7743**, and **7.2959, 7.0382, 8.3711** is the 20% darker color. If you saturate the color by 10%, you get **18.3659, 16.8251, 21.2160**, and if you desaturate by 10%, it is **22.1237, 23.4134, 25.3274**.

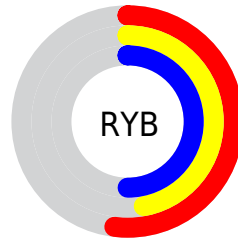
Distribution



Red (52%)

Green (47%)

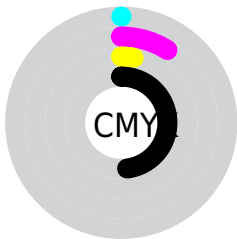
Blue (50%)



Red (52%)

Yellow (47%)

Blue (50%)

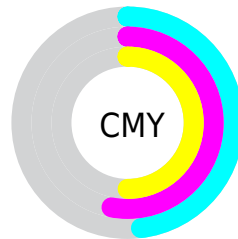


Cyan (0%)

Magenta (9%)

Yellow (3%)

Black (48%)



Cyan (48%)

Magenta (53%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1285, 19.8970, 23.2017 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 20.1285, 19.8970, 23.2017 by changing the saturation by 10% instead.

■ 20.1285, 19.8970,
23.2017

■ 20.1285, 19.8970,
23.2017

245.4302,
251.3570, 281.9147

■ 12.5973, 12.3202,
14.5358

■ 43.1348, 43.2444,
49.6517

■ 7.2269, 6.9621,
8.3513

■ 59.3406, 59.7838,
68.2729

■ 3.6520, 3.4384,
4.2296

■ 79.1687, 80.0796,
91.0496

■ 1.5072, 1.3647,
1.7521

102.9844,
104.5160, 118.4003

■ 0.3307, 0.1905,
0.3961

131.1530,
133.4776, 150.7437

■ 0.0000, 0.0000,
0.0000

164.0400,

167.3487, 188.4982

202.0106,
206.5137, 232.0823

■ 20.1285, 19.8970,
23.2017

■ 20.1285, 19.8970,
23.2017

■ 18.3659, 16.8251,
21.2160

■ 22.1237, 23.4134,
25.3274

■ 16.8251, 14.1773,
19.3652

■ 24.3583, 27.3885,
27.5955

■ 15.4970, 11.9353,
17.6457

■ 26.8410, 31.8391,
30.0098

■ 14.3712, 10.0785,
16.0533

■ 29.5794, 36.7805,
32.5736

■ 13.4365, 8.5847,
14.5834

■ 32.5811, 42.2272,
35.2901

■ 12.6802, 7.4292,
13.2310

■ 35.8529, 48.1930,
38.1623

■ 12.0885, 6.5841,
11.9905

■ 39.4018, 54.6913,
41.1933

■ 11.6450, 6.0173,
10.8556

■ 43.2343, 61.7350,
44.3859

■ 11.3067, 5.6428,
9.8111

■ 47.3566, 69.3366,
47.7428

Harmonies

Analogous

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



19.6918, 19.8970, 24.8134



20.1285, 19.8970, 23.2017



20.2356, 19.8970, 21.2614

Triad

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



20.1285, 19.8970, 23.2017



18.7702, 19.8970, 18.1648



17.8807, 19.8970, 23.9449

Complementary

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



20.1285, 19.8970, 23.2017



19.6359, 21.9514, 22.2720

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.



17.6464, 19.8970, 22.0726



20.1285, 19.8970, 23.2017



18.1521, 19.8970, 18.7939

Square

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



20.1285, 19.8970, 23.2017



19.4409, 19.8970, 18.4274



17.7446, 19.8970, 20.1966



18.3918, 19.8970, 25.2600

Rectangle

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



20.1285, 19.8970, 23.2017



20.1036, 19.8970, 20.0569



17.7446, 19.8970, 20.1966



17.7675, 19.8970, 23.3557

Sweetspot

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



20.1291, 19.8979, 23.2021



37.5228, 38.6833, 43.0946



19.1943, 19.3850, 24.5602



8.6749, 8.8985, 9.9684



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



20.1291, 19.8979, 23.2021



34.7531, 33.8174, 40.0949



19.7458, 19.7445, 21.1836



4.7936, 4.7371, 5.5256



10.9213, 5.4329, 9.4237



0.0412, 0.0202, 0.0505

Inverse Universe

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



20.1291, 19.8979, 23.2021



34.7531, 33.8174, 40.0949



20.0269, 22.1078, 24.3313



4.7936, 4.7371, 5.5256



10.9213, 5.4329, 9.4237



0.0412, 0.0202, 0.0505

Previews

White Background



This preview shows how the XYZ color 20.1285, 19.8970, 23.2017 looks on a white background.

Color Contrast Check

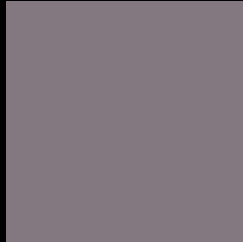
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1285, 19.8970, 23.2017 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 20.1285, 19.8970, 23.2017

Background



This preview shows how black text looks on a background with the XYZ color 20.1285, 19.8970, 23.2017.



This preview shows how white text looks on a background with the XYZ color 20.1285, 19.8970,

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

20.1285, 19.8970, 23.2017

Protanopia

19.4244, 20.0627, 23.9678

Deuteranopia

20.2856, 19.9780, 23.2090



Tritanopia

20.1946, 19.9235, 23.5501

Trichromacy



Original Color

20.1285, 19.8970, 23.2017

Protanomaly

19.6744, 20.0161, 23.5954

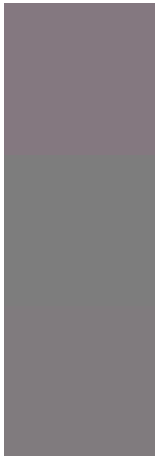
Deuteranomaly

20.2856, 19.9780, 23.2090

Tritanomaly

20.1946, 19.9235, 23.5501

Monochromacy



Original Color

20.1285, 19.8970, 23.2017

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.7509, 20.2615, 22.6085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1285, 19.8970, 23.2017 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(132, 120, 128)` looks like.

```
.text, #text, p{  
    color:rgb(132, 120, 128)  
}
```

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(132, 120, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 120, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.1285, 19.8970, 23.2017 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(132, 120, 128) }
```


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

```
.border{ border-color:rgb(132, 120, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 120, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 120, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 120, 128);  
box-shadow:4px 4px 4px 4px rgb(132, 120,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1285, 19.8970, 23.2017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 120, 128) }
```

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

```
.background{ background-color: rgb(132,  
120, 128) }
```

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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