

Converting Colors

XYZ(20.2083, 19.8834, 23.2721)

Have a look what the booklet for
XYZ(20.2083, 19.8834, 23.2721)
contains.

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Color

**XYZ(20.2856, 19.9780,
23.2090)**

Conversions

Conversions Part 1

Format	Color
Hex	857880
RGB	133, 120, 128
RGB Percent	52%, 47%, 50%
CMY	0.4784, 0.5294, 0.4980
CMYK	0.00, 0.10, 0.04, 0.48
HSL	323°, 5%, 50%
HSV	323°, 10%, 52%
XYZ	20.2856, 19.9780, 23.2090
YIQ	124.7990, 5.1800, 5.2440

Conversions

Conversions Part 2

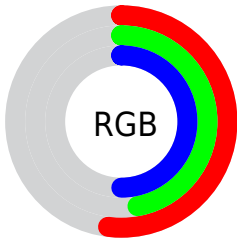
Format	Color
R_{YB}	133, 120, 128
Decimal	8747136
CIE Lab	51.81, 6.51, -2.55
CIE LCh	52, 6.992, 338.585
Yxy	19.9780, 0.3196, 0.3147
Android (android.graphics.Color)	4286937216 (0xFF857880)
YUV	124.7990, 1.5781, 7.1923
Hunter-Lab	44.6968, 2.7928, 0.5011

Details

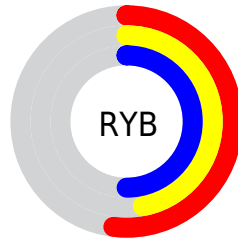
The XYZ color **20.2856, 19.9780, 23.2090** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.8357, 22.2493, 22.6522**, and the grayscale version is **19.4195, 20.4309, 22.2492**.

A 20% lighter version of the original color is **43.3427, 43.2803, 49.7856**, and **7.2959, 7.0382, 8.3711** is the 20% darker color. If you saturate the color by 10%, you get **18.4677, 16.8674, 20.9833**, and if you desaturate by 10%, it is **22.3438, 23.5415, 25.5991**.

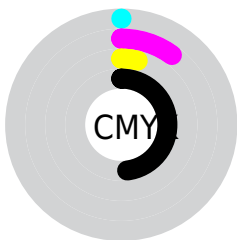
Distribution



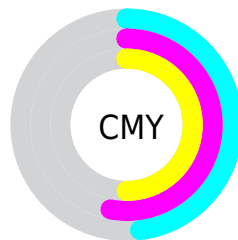
- Red (52%)
- Green (47%)
- Blue (50%)



- Red (52%)
- Yellow (47%)
- Blue (50%)



- Cyan (0%)
- Magenta (10%)
- Yellow (4%)
- Black (48%)



- Cyan (48%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2856, 19.9780, 23.2090 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 20.2856, 19.9780, 23.2090 by changing the saturation by 10% instead.

■ 20.2856, 19.9780,
23.2090

■ 20.2856, 19.9780,
23.2090

246.2613,
251.7960, 281.9533

■ 12.7123, 12.3791,
14.5412

■ 43.3958, 43.3803,
49.6638

■ 7.3064, 7.0024,
8.3550

■ 59.6634, 59.9524,
68.2879

■ 3.7024, 3.4636,
4.2319

■ 79.5598, 80.2844,
91.0677

■ 1.5352, 1.3783,
1.7534

103.4503,
104.7607, 118.4220

■ 0.3496, 0.2006,
0.3970

131.7004,
133.7655, 150.7691

■ 0.0000, 0.0000,
0.0000

164.6754,

167.6835, 188.5277

202.7405,
206.8988, 232.1162

■ 20.2856, 19.9780,
23.2090

■ 20.2856, 19.9780,
23.2090

■ 18.4677, 16.8674,
20.9833

■ 22.3438, 23.5415,
25.5991

■ 16.8790, 14.1888,
18.9164

■ 24.6495, 27.5727,
28.1564

■ 15.5102, 11.9235,
17.0041

■ 27.2115, 32.0886,
30.8853

■ 14.3505, 10.0504,
15.2415

■ 30.0379, 37.1048,
33.7897

■ 13.3882, 8.5465,
13.6235

■ 33.1362, 42.6362,
36.8732

■ 12.6104, 7.3866,
12.1444

■ 36.5138, 48.6971,
40.1392

■ 12.0026, 6.5420,
10.7980

■ 40.1775, 55.3010,
43.5913

■ 11.5479, 5.9794,
9.5772

■ 44.1343, 62.4612,
47.2328

■ 11.1975, 5.6017,
8.4643

■ 48.3907, 70.1905,
51.0669

Harmonies

Analogous

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



19.8511, 19.9780, 24.9482



20.2856, 19.9780, 23.2090



20.3681, 19.9780, 21.1753

Triad

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



20.2856, 19.9780, 23.2090



18.7858, 19.9780, 18.1173



17.9431, 19.9780, 24.2786

Complementary

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



20.2856, 19.9780, 23.2090



19.8357, 22.2493, 22.6522

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.



17.6726, 19.9780, 22.3404



20.2856, 19.9780, 23.2090



18.1512, 19.9780, 18.8423

Square

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



20.2856, 19.9780, 23.2090



19.4904, 19.9780, 18.3179



17.7479, 19.9780, 20.3585



18.4953, 19.9780, 25.5920

Rectangle

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



20.2856, 19.9780, 23.2090



20.2104, 19.9780, 19.9383



17.7479, 19.9780, 20.3585



17.8168, 19.9780, 23.6739

Sweetspot

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



20.2862, 19.9789, 23.2094



38.7502, 39.9638, 44.3991



19.4059, 19.4861, 24.9289



8.6678, 8.8956, 9.9309



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.



20.2862, 19.9789, 23.2094



35.4743, 34.3101, 40.5391



19.8730, 19.8136, 21.0337



4.7840, 4.7333, 5.4747



10.6623, 5.3293, 8.0601



0.0405, 0.0199, 0.0468

Inverse Universe

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



20.2862, 19.9789, 23.2094



35.4743, 34.3101, 40.5391



20.2635, 22.4204, 24.9048



4.7840, 4.7333, 5.4747



10.6623, 5.3293, 8.0601



0.0405, 0.0199, 0.0468

Previews

White Background



This preview shows how the XYZ color 20.2856, 19.9780, 23.2090 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 20.2856, 19.9780, 23.2090 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

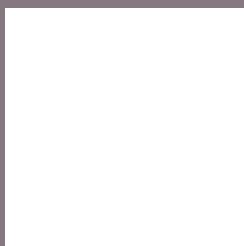
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2856, 19.9780, 23.2090

Background



This preview shows how black text looks on a background with the XYZ color 20.2856, 19.9780, 23.2090.



This preview shows how white text looks on a background with the XYZ color 20.2856, 19.9780,

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

20.2856, 19.9780, 23.2090

Protanopia

19.4244, 20.0627, 23.9678

Deuteranopia

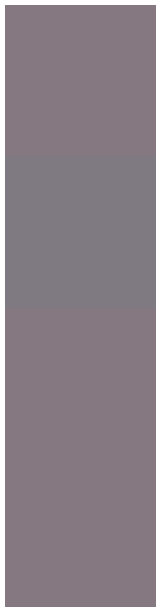
20.2856, 19.9780, 23.2090



Tritanopia

20.3518, 20.0045, 23.5575

Trichromacy



Original Color

20.2856, 19.9780, 23.2090

Protanomaly

19.6744, 20.0161, 23.5954

Deuteranomaly

20.2856, 19.9780, 23.2090

Tritanomaly

20.3518, 20.0045, 23.5575

Monochromacy



Original Color

20.2856, 19.9780, 23.2090

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 20.2856, 19.9780, 23.2090 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(133, 120, 128)` looks like.

```
.text, #text, p{  
    color:rgb(133, 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(133, 120, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 120, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.2856, 19.9780, 23.2090 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(133, 120, 128) }
```


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

```
.border{ border-color:rgb(133, 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(133, 120, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 120, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 120, 128);  
box-shadow:4px 4px 4px 4px rgb(133, 120,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2856, 19.9780, 23.2090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 120, 128) }
```

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

```
.background{ background-color: rgb(133,  
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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