

Converting Colors

XYZ(19.4838, 19.9645, 27.1003)

Have a look what the booklet for
XYZ(19.4838, 19.9645, 27.1003)
contains.

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Color

**XYZ(19.4889, 20.0231,
27.2638)**

Conversions

Conversions Part 1

Format	Color
Hex	787B8B
RGB	120, 123, 139
RGB Percent	47%, 48%, 55%
CMY	0.5294, 0.5176, 0.4549
CMYK	0.14, 0.12, 0.00, 0.45
HSL	231°, 8%, 51%
HSV	231°, 14%, 55%
XYZ	19.4889, 20.0231, 27.2638
YIQ	123.9270, -6.9240, 4.3400

Conversions

Conversions Part 2

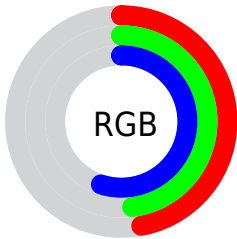
Format	Color
R_{YB}	120, 123, 139
Decimal	7895947
CIE Lab	51.86, 2.33, -9.05
CIE LCh	52, 9.347, 284.408
Yxy	20.0231, 0.2919, 0.2999
Android (android.graphics.Color)	4286086027 (0xFF787B8B)
YUV	123.9270, 7.4310, -3.4440
Hunter-Lab	44.7472, -0.5648, -4.8015

Details

The XYZ color **19.4889, 20.0231, 27.2638** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **22.8419, 24.4532, 21.2857**, and the grayscale version is **19.1121, 20.1074, 21.8969**.

A 20% lighter version of the original color is **41.8577, 43.2364, 56.0085**, and **6.8505, 6.9584, 10.4332** is the 20% darker color. If you saturate the color by 10%, you get **16.3333, 16.3687, 26.7251**, and if you desaturate by 10%, it is **23.0992, 24.1706, 27.8744**.

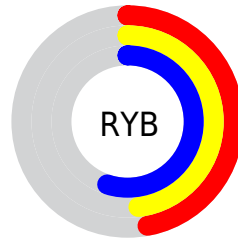
Distribution



Red (47%)

Green (48%)

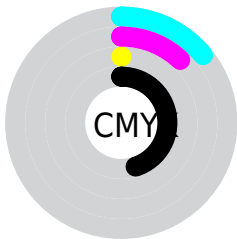
Blue (55%)



Red (47%)

Yellow (48%)

Blue (55%)

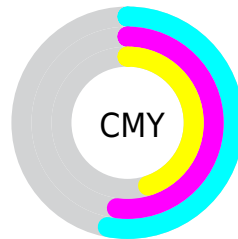


Cyan (14%)

Magenta (12%)

Yellow (0%)

Black (45%)



Cyan (53%)

Magenta (52%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4889, 20.0231, 27.2638 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 19.4889, 20.0231, 27.2638 by changing the saturation by 10% instead.

■ 19.4889, 20.0231,
27.2638

■ 19.4889, 20.0231,
27.2638

242.0213,
252.0401, 302.7326

■ 12.1302, 12.4118,
17.5373

■ 42.0691, 43.4559,
56.3158

■ 6.9052, 7.0248,
10.4523

■ 58.0213, 60.0462,
76.4783

■ 3.4487, 3.4776,
5.5903

■ 77.5687, 80.3984,
100.9565

■ 1.3952, 1.3859,
2.5329

101.0767,
104.8967, 130.1690

■ 0.2528, 0.2063,
0.8575

128.9106,
133.9257, 164.5343

■ 0.0000, 0.0000,
0.0000

161.4357,

167.8697, 204.4710

199.0175,
207.1130, 250.3976

■ 19.4889, 20.0231,
27.2638

■ 19.4889, 20.0231,
27.2638

■ 16.3333, 16.3687,
26.7251

■ 23.0992, 24.1706,
27.8744

■ 13.6124, 13.1866,
26.2543

■ 27.1795, 28.8262,
28.5580

■ 11.3077, 10.4581,
25.8491

■ 31.7465, 34.0072,
29.3173

■ 9.3981, 8.1623,
25.5066

■ 36.8156, 39.7295,
30.1546

■ 7.8612, 6.2765,
25.2236

■ 42.4016, 46.0080,
31.0721

■ 6.6720, 4.7762,
24.9967

■ 48.5186, 52.8574,
32.0718

■ 5.8023, 3.6338,
24.8220

■ 55.1802, 60.2917,
33.1556

■ 5.2189, 2.8179,
24.6953

■ 62.3993, 68.3244,
34.3256

■ 4.9464, 2.4364,
24.6360

■ 70.1888, 76.9684,
35.5835

Harmonies

Analogous

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



18.5452, 20.0231, 27.2314



19.4889, 20.0231, 27.2638



20.3367, 20.0231, 25.7513

Triad

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



19.4889, 20.0231, 27.2638



20.3646, 20.0231, 18.3463



17.3277, 20.0231, 20.4273

Complementary

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



19.4889, 20.0231, 27.2638



22.8419, 24.4532, 21.2857

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.



17.7831, 20.0231, 18.2782



19.4889, 20.0231, 27.2638



19.5259, 20.0231, 17.1466

Square

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



19.4889, 20.0231, 27.2638



20.8536, 20.0231, 20.5274



18.5810, 20.0231, 17.1228



17.3185, 20.0231, 23.1278

Rectangle

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



19.4889, 20.0231, 27.2638



20.7246, 20.0231, 24.1374



18.5810, 20.0231, 17.1228



17.4330, 20.0231, 19.6218

Sweetspot

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



19.4895, 20.0239, 27.2642



41.0791, 42.9562, 49.8692



21.4108, 24.2315, 26.7795



9.3576, 9.7744, 11.4729



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



19.4895, 20.0239, 27.2642



33.3092, 34.0202, 48.5539



20.0305, 19.7584, 27.1845



4.8344, 5.0117, 6.3184



4.4733, 2.2169, 22.2378



0.0367, 0.0287, 0.1501

Inverse Universe

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



20.9396, 20.3524, 21.5647



36.3660, 34.7356, 36.5337



22.2435, 24.7811, 21.3806



5.0630, 5.0606, 5.4203



9.7447, 5.0080, 1.1601



0.0683, 0.0347, 0.0262

Previews

White Background



This preview shows how the XYZ color 19.4889, 20.0231, 27.2638 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 19.4889, 20.0231, 27.2638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

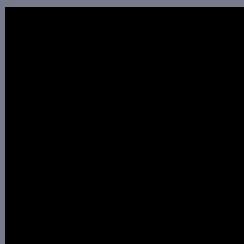
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

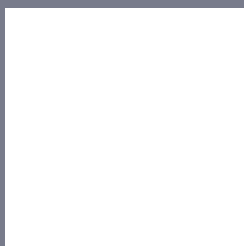
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4889, 20.0231, 27.2638

Background



This preview shows how black text looks on a background with the XYZ color 19.4889, 20.0231, 27.2638.



This preview shows how white text looks on a background with the XYZ color 19.4889, 20.0231,

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

19.4889, 20.0231, 27.2638

Protanopia

19.6283, 20.0949, 27.2703

Deuteranopia

20.3522, 19.9156, 27.5824



Tritanopia

19.1185, 20.0585, 25.4183

Trichromacy



Original Color

19.4889, 20.0231, 27.2638

Protanomaly

19.6283, 20.0949, 27.2703

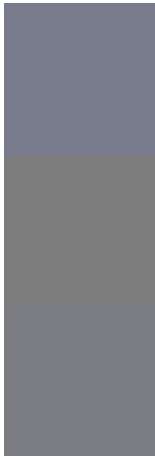
Deuteranomaly

20.0284, 19.9282, 27.6019

Tritanomaly

19.2593, 20.1148, 26.1600

Monochromacy



Original Color

19.4889, 20.0231, 27.2638

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.3385, 20.2112, 23.6508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4889, 20.0231, 27.2638 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(120, 123, 139)` looks like.

```
.text, #text, p{  
    color:rgb(120, 123, 139)  
}
```

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(120, 123, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 123, 139) }
```

Border

The CSS property to change the border of an element to XYZ 19.4889, 20.0231, 27.2638 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(120, 123, 139) }
```


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

```
.border{ border-color:rgb(120, 123, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 123, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 123, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 123, 139);  
box-shadow:4px 4px 4px 4px rgb(120, 123,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4889, 20.0231, 27.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 123, 139) }
```

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

```
.background{ background-color: rgb(120,  
123, 139) }
```

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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