

Converting Colors

XYZ(20.4581, 21.3940, 27.9591)

Have a look what the booklet for
XYZ(20.4581, 21.3940, 27.9591)
contains.

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Color

**XYZ(20.4788, 21.4694,
27.8756)**

Conversions

Conversions Part 1

Format	Color
Hex	7A808C
RGB	122, 128, 140
RGB Percent	48%, 50%, 55%
CMY	0.5216, 0.4980, 0.4510
CMYK	0.13, 0.09, 0.00, 0.45
HSL	220°, 7%, 51%
HSV	220°, 13%, 55%
XYZ	20.4788, 21.4694, 27.8756
YIQ	127.5740, -7.4280, 2.4600

Conversions

Conversions Part 2

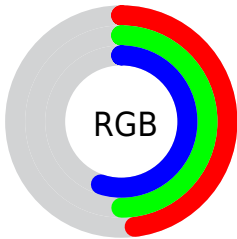
Format	Color
R_{YB}	122, 127, 140
Decimal	8028300
CIE Lab	53.46, 0.36, -7.24
CIE LCh	53, 7.246, 272.812
Yxy	21.4694, 0.2933, 0.3075
Android (android.graphics.Color)	4286218380 (0xFF7A808C)
YUV	127.5740, 6.1260, -4.8884
Hunter-Lab	46.3351, -2.1944, -3.2348

Details

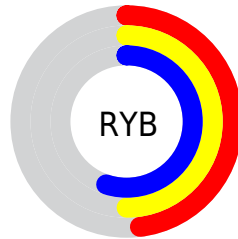
The XYZ color **20.4788, 21.4694, 27.8756** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.8531, 24.0305, 21.8465**, and the grayscale version is **20.3523, 21.4122, 23.3179**.

A 20% lighter version of the original color is **43.7170, 45.9415, 57.6024**, and **7.3891, 7.7466, 10.7787** is the 20% darker color. If you saturate the color by 10%, you get **17.4759, 18.1973, 27.4026**, and if you desaturate by 10%, it is **23.8805, 25.1144, 28.4002**.

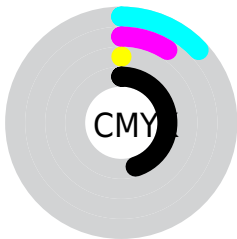
Distribution



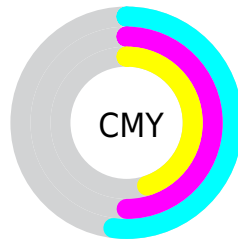
- Red (48%)
- Green (50%)
- Blue (55%)



- Red (48%)
- Yellow (50%)
- Blue (55%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)
- Black (45%)



- Cyan (52%)
- Magenta (50%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4788, 21.4694, 27.8756 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 20.4788, 21.4694, 27.8756 by changing the saturation by 10% instead.

■ 20.4788, 21.4694,
27.8756

■ 20.4788, 21.4694,
27.8756

247.2799,
259.7627, 305.7652

■ 12.8538, 13.4675,
17.9937

■ 43.7163, 45.8674,
57.3065

■ 7.4043, 7.7513,
10.7761

■ 60.0596, 63.0324,
77.6925

■ 3.7648, 3.9362,
5.8042

■ 80.0397, 84.0206,
102.4170

■ 1.5699, 1.6379,
2.6595

104.0220,
109.2163, 131.8985

■ 0.3727, 0.3830,
0.9229

132.3718,
139.0040, 166.5555

■ 0.0000, 0.0000,
0.0000

165.4545,

173.7680, 206.8066

203.6354,
213.8928, 253.0703

■ 20.4788, 21.4694,
27.8756

■ 20.4788, 21.4694,
27.8756

■ 17.4759, 18.1973,
27.4026

■ 23.8805, 25.1144,
28.4002

■ 14.8548, 15.2832,
26.9783

■ 27.6934, 29.1414,
28.9765

■ 12.6000, 12.7150,
26.6014

■ 31.9319, 33.5623,
29.6065

■ 10.6940, 10.4788,
26.2703

■ 36.6087, 38.3878,
30.2914

■ 9.1181, 8.5599,
25.9829

■ 41.7363, 43.6282,
31.0326

■ 7.8513, 6.9421,
25.7374

■ 47.3266, 49.2933,
31.8315

■ 6.8704, 5.6076,
25.5315

■ 53.3910, 55.3926,
32.6891

■ 6.1480, 4.5363,
25.3628

■ 59.9405, 61.9355,
33.6068

■ 5.7377, 3.9015,
25.2619

■ 66.9859, 68.9307,
34.5857

Harmonies

Analogous

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



19.7366, 21.4694, 27.3574



20.4788, 21.4694, 27.8756



21.2194, 21.4694, 27.1269

Triad

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



20.4788, 21.4694, 27.8756



21.6767, 21.4694, 21.1519



19.1164, 21.4694, 21.4910

Complementary

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



20.4788, 21.4694, 27.8756



22.8531, 24.0305, 21.8465

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.



19.6137, 21.4694, 19.9888



20.4788, 21.4694, 27.8756



21.0904, 21.4694, 19.8018

Square

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



20.4788, 21.4694, 27.8756



21.9218, 21.4694, 23.1690



20.3334, 21.4694, 19.3896



18.9618, 21.4694, 23.5853

Rectangle

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



20.4788, 21.4694, 27.8756



21.6092, 21.4694, 26.0360



20.3334, 21.4694, 19.3896



19.2484, 21.4694, 20.9046

Sweetspot

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



20.4794, 21.4703, 27.8761



41.3275, 43.4531, 49.9521



21.6866, 24.6069, 26.0516



9.4240, 9.9072, 11.4950



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.



20.4794, 21.4703, 27.8761



34.7397, 36.3739, 48.9328



20.1072, 20.1502, 27.6409



4.9021, 5.1471, 6.3410



5.1149, 3.5000, 22.4517



0.0464, 0.0481, 0.1533

Inverse Universe

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



21.6715, 21.0534, 23.3447



37.2119, 35.5480, 39.5264



23.2570, 25.5054, 22.1099



5.0972, 5.0743, 5.6003



10.0686, 5.1375, 2.8654



0.0732, 0.0366, 0.0521

Previews

White Background



This preview shows how the XYZ color 20.4788, 21.4694, 27.8756 looks on a white background.

Color Contrast Check

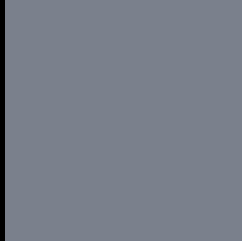
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4788, 21.4694, 27.8756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

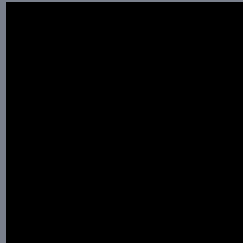
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

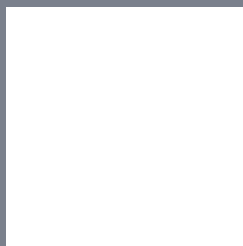
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4788, 21.4694, 27.8756

Background



This preview shows how black text looks on a background with the XYZ color 20.4788, 21.4694, 27.8756.



This preview shows how white text looks on a background with the XYZ color 20.4788, 21.4694,

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

20.4788, 21.4694, 27.8756

Protanopia

20.8538, 21.4784, 27.4727

Deuteranopia

21.8469, 21.4067, 28.1798



Tritanopia

20.3327, 21.4109, 27.1058

Trichromacy



Original Color

20.4788, 21.4694, 27.8756

Protanomaly

20.7070, 21.4028, 27.4659

Deuteranomaly

21.3473, 21.3361, 28.1925

Tritanomaly

20.4054, 21.4400, 27.4889

Monochromacy



Original Color

20.4788, 21.4694, 27.8756

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.4882, 21.5399, 24.9076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4788, 21.4694, 27.8756 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(122, 128, 140)` looks like.

```
.text, #text, p{  
    color:rgb(122, 128, 140)  
}
```

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(122, 128, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 128, 140) }
```

Border

The CSS property to change the border of an element to XYZ 20.4788, 21.4694, 27.8756 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(122, 128, 140) }
```


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

```
.border{ border-color:rgb(122, 128, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 128, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 128, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 128, 140);  
box-shadow:4px 4px 4px 4px rgb(122, 128,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4788, 21.4694, 27.8756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 128, 140) }
```

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

```
.background{ background-color: rgb(122,  
128, 140) }
```

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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