

Converting Colors

XYZ(19.9201, 21.1497, 28.5848)

Have a look what the booklet for
XYZ(19.9201, 21.1497, 28.5848)
contains.

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Color

**XYZ(19.9378, 21.1732,
28.6272)**

Conversions

Conversions Part 1

Format	Color
Hex	75808E
RGB	117, 128, 142
RGB Percent	46%, 50%, 56%
CMY	0.5412, 0.4980, 0.4431
CMYK	0.18, 0.10, 0.00, 0.44
HSL	214°, 10%, 51%
HSV	214°, 18%, 56%
XYZ	19.9378, 21.1732, 28.6272
YIQ	126.3070, -11.0500, 2.0220

Conversions

Conversions Part 2

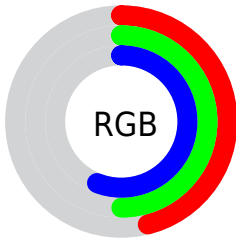
Format	Color
R_{YB}	117, 125, 142
Decimal	7700622
CIE Lab	53.14, -0.92, -8.92
CIE LCh	53, 8.969, 264.084
Yxy	21.1732, 0.2859, 0.3036
Android (android.graphics.Color)	4285890702 (0xFF75808E)
YUV	126.3070, 7.7366, -8.1622
Hunter-Lab	46.0143, -3.1819, -4.6764

Details

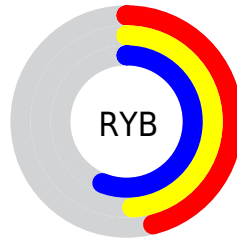
The XYZ color **19.9378, 21.1732, 28.6272** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **22.4828, 23.2679, 20.1364**, and the grayscale version is **19.9134, 20.9504, 22.8150**.

A 20% lighter version of the original color is **42.8499, 45.4683, 58.7424**, and **7.1116, 7.5936, 11.2161** is the 20% darker color. If you saturate the color by 10%, you get **17.1760, 18.2701, 28.2128**, and if you desaturate by 10%, it is **23.0716, 24.3898, 29.0832**.

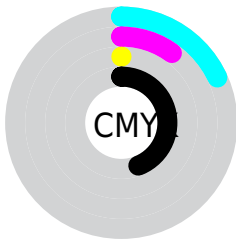
Distribution



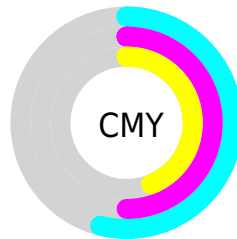
- Red (46%)
- Green (50%)
- Blue (56%)



- Red (46%)
- Yellow (49%)
- Blue (56%)



- Cyan (18%)
- Magenta (10%)
- Yellow (0%)
- Black (44%)



- Cyan (54%)
- Magenta (50%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9378, 21.1732, 28.6272 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 19.9378, 21.1732, 28.6272 by changing the saturation by 10% instead.

■ 19.9378, 21.1732,
28.6272

■ 19.9378, 21.1732,
28.6272

244.4182,
258.1975, 309.4576

■ 12.4578, 13.2507,
18.5558

■ 42.8176, 45.3756,
58.5194

■ 7.1307, 7.6014,
11.1762

■ 58.9482, 62.4243,
79.1772

■ 3.5910, 3.8410,
6.0698

■ 78.6930, 83.2838,
104.2010

■ 1.4735, 1.5850,
2.8181

102.4174,
108.3385, 134.0093

■ 0.3077, 0.3475,
1.0025

130.4868,
137.9728, 169.0205

■ 0.0000, 0.0000,
0.0000

163.2665,

172.5712, 209.6533

201.1218,
212.5180, 256.3261

■ 19.9378, 21.1732,
28.6272

■ 19.9378, 21.1732,
28.6272

■ 17.1760, 18.2701,
28.2128

■ 23.0716, 24.3898,
29.0832

■ 14.7694, 15.6676,
27.8372

■ 26.5895, 27.9272,
29.5806

■ 12.7029, 13.3554,
27.4999

■ 30.5054, 31.7957,
30.1209

■ 10.9591, 11.3217,
27.1992

■ 34.8317, 36.0042,
30.7052

■ 9.5192, 9.5537,
26.9339

■ 39.5805, 40.5613,
31.3345

■ 8.3623, 8.0374,
26.7022

■ 44.7633, 45.4754,
32.0099

■ 7.4642, 6.7570,
26.5024

■ 50.3910, 50.7543,
32.7322

■ 6.7807, 5.6860,
26.3317

■ 56.4744, 56.4059,
33.5024

■ 6.6318, 5.4514,
26.2942

■ 63.0237, 62.4376,
34.3215

Harmonies

Analogous

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



19.0773, 21.1732, 27.5305



19.9378, 21.1732, 28.6272



20.8751, 21.1732, 28.1387

Triad

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



19.9378, 21.1732, 28.6272



21.8293, 21.1732, 20.9950



18.6885, 21.1732, 20.1342

Complementary

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



19.9378, 21.1732, 28.6272



22.4828, 23.2679, 20.1364

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.



19.3921, 21.1732, 18.6221



19.9378, 21.1732, 28.6272



21.2093, 21.1732, 19.0911

Square

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



19.9378, 21.1732, 28.6272



21.9865, 21.1732, 23.5945



20.3123, 21.1732, 18.2556



18.3707, 21.1732, 22.5218

Rectangle

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



19.9378, 21.1732, 28.6272



21.4153, 21.1732, 26.9977



20.3123, 21.1732, 18.2556



18.8866, 21.1732, 19.5144

Sweetspot

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



19.9384, 21.1741, 28.6277



42.1711, 44.5149, 51.4975



21.0894, 24.7603, 25.0522



9.3365, 9.8591, 11.4903



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.



19.9384, 21.1741, 28.6277



33.2168, 35.3120, 50.1931



18.7495, 18.5453, 28.1829



5.3126, 5.6211, 6.8337



5.9721, 4.9302, 23.6139



0.0785, 0.0898, 0.2329

Inverse Universe

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



21.4134, 20.0325, 23.1610



36.3261, 33.0143, 38.6450



23.8263, 26.2716, 20.6454



5.5013, 5.4610, 6.1378



10.8175, 5.4840, 4.6905



0.1142, 0.0567, 0.1016

Previews

White Background



This preview shows how the XYZ color 19.9378, 21.1732, 28.6272 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 19.9378, 21.1732, 28.6272 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

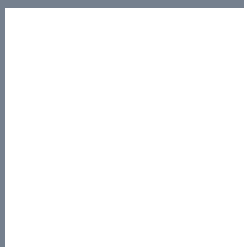
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9378, 21.1732, 28.6272

Background



This preview shows how black text looks on a background with the XYZ color 19.9378, 21.1732, 28.6272.



This preview shows how white text looks on a background with the XYZ color 19.9378, 21.1732,

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

19.9378, 21.1732, 28.6272

Protanopia

20.7260, 21.2048, 28.1999

Deuteranopia

21.4010, 20.9744, 28.9071



Tritanopia

19.7129, 21.2776, 27.4941

Trichromacy



Original Color

19.9378, 21.1732, 28.6272

Protanomaly

20.4231, 21.2394, 28.2225

Deuteranomaly

20.8957, 21.0860, 28.9553

Tritanomaly

19.7863, 21.3070, 27.8807

Monochromacy



Original Color

19.9378, 21.1732, 28.6272

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.9226, 21.0556, 24.8439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9378, 21.1732, 28.6272 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(117, 128, 142)` looks like.

```
.text, #text, p{  
    color:rgb(117, 128, 142)  
}
```

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(117, 128, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 128, 142) }
```

Border

The CSS property to change the border of an element to XYZ 19.9378, 21.1732, 28.6272 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(117, 128, 142) }
```


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

```
.border{ border-color:rgb(117, 128, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 128, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 128, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 128, 142);  
box-shadow:4px 4px 4px 4px rgb(117, 128,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9378, 21.1732, 28.6272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 128, 142) }
```

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

```
.background{ background-color: rgb(117,  
128, 142) }
```

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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