

Converting Colors

XYZ(20.5007, 21.6908, 28.6976)

Have a look what the booklet for
XYZ(20.5007, 21.6908, 28.6976)
contains.

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Color

**XYZ(20.4785, 21.6466,
28.6901)**

Conversions

Conversions Part 1

Format	Color
Hex	78818E
RGB	120, 129, 142
RGB Percent	47%, 51%, 56%
CMY	0.5294, 0.4941, 0.4431
CMYK	0.15, 0.09, 0.00, 0.44
HSL	215°, 9%, 51%
HSV	215°, 15%, 56%
XYZ	20.4785, 21.6466, 28.6901
YIQ	127.7910, -9.5370, 2.1350

Conversions

Conversions Part 2

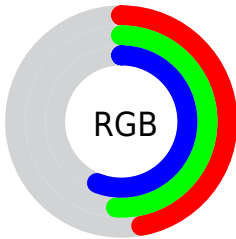
Format	Color
R_{YB}	120, 126, 142
Decimal	7897486
CIE _{Lab}	53.65, -0.47, -8.13
CIE _{LCh}	54, 8.147, 266.711
Yxy	21.6466, 0.2892, 0.3057
Android (android.graphics.Color)	4286087566 (0xFF78818E)
YUV	127.7910, 7.0050, -6.8327
Hunter-Lab	46.5259, -2.8531, -3.9929

Details

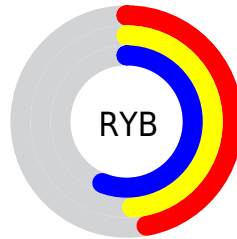
The XYZ color **20.4785, 21.6466, 28.6901** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.9332, 23.8819, 21.1707**, and the grayscale version is **20.4249, 21.4885, 23.4010**.

A 20% lighter version of the original color is **43.7050, 46.2121, 58.8409**, and **7.3990, 7.8496, 11.2504** is the 20% darker color. If you saturate the color by 10%, you get **17.5933, 18.5859, 28.2517**, and if you desaturate by 10%, it is **23.7479, 25.0412, 29.1733**.

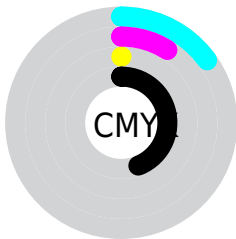
Distribution



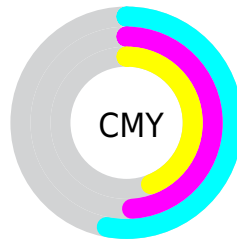
- Red (47%)
- Green (51%)
- Blue (56%)



- Red (47%)
- Yellow (49%)
- Blue (56%)



- Cyan (15%)
- Magenta (9%)
- Yellow (0%)
- Black (44%)



- Cyan (53%)
- Magenta (49%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4785, 21.6466, 28.6901 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 20.4785, 21.6466, 28.6901 by changing the saturation by 10% instead.

■ 20.4785, 21.6466,
28.6901

■ 20.4785, 21.6466,
28.6901

247.2784,
260.6951, 309.7650

■ 12.8536, 13.5975,
18.6030

■ 43.7158, 46.1612,
58.6206

■ 7.4041, 7.8412,
11.2098

■ 60.0590, 63.3955,
79.3011

■ 3.7647, 3.9935,
6.0922

■ 80.0390, 84.4602,
104.3498

■ 1.5699, 1.6699,
2.8315

104.0211,
109.7398, 134.1852

■ 0.3727, 0.4041,
1.0093

132.3708,
139.6188, 169.2259

■ 0.0000, 0.0000,
0.0000

165.4533,

174.4813, 209.8904

203.6340,
214.7120, 256.5972

■ 20.4785, 21.6466,
28.6901

■ 20.4785, 21.6466,
28.6901

■ 17.5933, 18.5859,
28.2517

■ 23.7479, 25.0412,
29.1733

■ 15.0753, 15.8455,
27.8555

■ 27.4135, 28.7773,
29.7013

■ 12.9092, 13.4146,
27.5005

■ 31.4895, 32.8658,
30.2756

■ 11.0776, 11.2810,
27.1852

■ 35.9886, 37.3162,
30.8975

■ 9.5618, 9.4311,
26.9080

■ 40.9228, 42.1375,
31.5680

■ 8.3407, 7.8504,
26.6672

■ 46.3040, 47.3385,
32.2883

■ 7.3907, 6.5228,
26.4611

■ 52.1432, 52.9277,
33.0594

■ 6.6790, 5.4270,
26.2871

■ 58.4513, 58.9132,
33.8822

■ 6.4008, 4.9894,
26.2173

■ 65.2387, 65.3029,
34.7578

Harmonies

Analogous

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



19.6688, 21.6466, 27.8109



20.4785, 21.6466, 28.6901



21.3365, 21.6466, 28.1193

Triad

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



20.4785, 21.6466, 28.6901



22.1072, 21.6466, 21.4784



19.2059, 21.6466, 21.0335

Complementary

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



20.4785, 21.6466, 28.6901



22.9332, 23.8819, 21.1707

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.



19.8307, 21.6466, 19.5389



20.4785, 21.6466, 28.6901



21.5075, 21.6466, 19.7828

Square

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



20.4785, 21.6466, 28.6901



22.2923, 21.6466, 23.8457



20.6707, 21.6466, 19.0975



18.9472, 21.6466, 23.2953

Rectangle

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



20.4785, 21.6466, 28.6901



21.8179, 21.6466, 27.0139



20.6707, 21.6466, 19.0975



19.3792, 21.6466, 20.4310

Sweetspot

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



20.4791, 21.6475, 28.6906



42.1146, 44.4019, 51.4786



21.6413, 25.0284, 25.8207



9.3224, 9.8309, 11.4856



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.



20.4791, 21.6475, 28.6906



34.0478, 35.9974, 50.2816



19.6019, 19.5119, 28.3246



5.2995, 5.5947, 6.8293



5.7642, 4.5144, 23.5446



0.0759, 0.0847, 0.2320

Inverse Universe

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



21.8348, 20.7692, 23.6280



36.9839, 34.1901, 39.2954



23.9069, 26.2924, 21.5847



5.4946, 5.4584, 6.1027



10.7126, 5.4421, 4.1379



0.1129, 0.0562, 0.0948

Previews

White Background



This preview shows how the XYZ color 20.4785, 21.6466, 28.6901 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 20.4785, 21.6466, 28.6901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

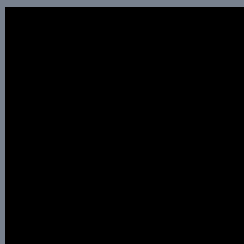
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

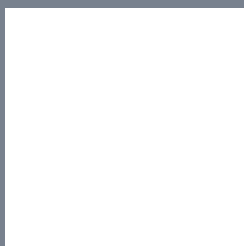
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4785, 21.6466, 28.6901

Background



This preview shows how black text looks on a background with the XYZ color 20.4785, 21.6466, 28.6901.

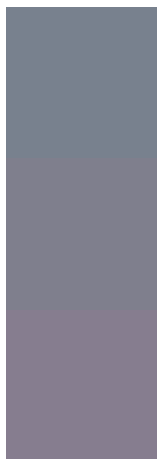


This preview shows how white text looks on a background with the XYZ color 20.4785, 21.6466,

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

20.4785, 21.6466, 28.6901

Protanopia

21.1495, 21.6139, 28.2565

Deuteranopia

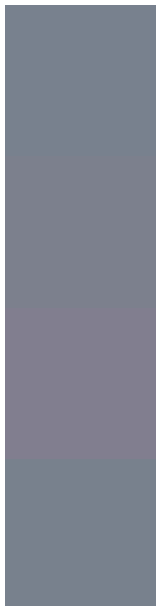
22.1231, 21.7187, 29.0127



Tritanopia

20.3296, 21.5870, 27.9062

Trichromacy



Original Color

20.4785, 21.6466, 28.6901

Protanomaly

20.8391, 21.6465, 28.2792

Deuteranomaly

21.4720, 21.5720, 29.0187

Tritanomaly

20.4037, 21.6167, 28.2963

Monochromacy



Original Color

20.4785, 21.6466, 28.6901

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.4103, 21.4918, 25.2629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4785, 21.6466, 28.6901 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, 129, 142)` looks like.

```
.text, #text, p{  
    color:rgb(120, 129, 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(120, 129, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 129, 142) }
```

Border

The CSS property to change the border of an element to XYZ 20.4785, 21.6466, 28.6901 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, 129, 142) }
```


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

```
.border{ border-color:rgb(120, 129, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 129, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 129, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 129, 142);  
box-shadow:4px 4px 4px 4px rgb(120, 129,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4785, 21.6466, 28.6901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 129, 142) }
```

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

```
.background{ background-color: rgb(120,  
129, 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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