

Converting Colors

XYZ(19.4787, 20.8603, 27.6729)

Have a look what the booklet for
XYZ(19.4787, 20.8603, 27.6729)
contains.

XYZ(19.5230, 20.9766, 27.8309)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.5230, 20.9766,
27.8309)**

Conversions

Conversions Part 1

Format	Color
Hex	73808C
RGB	115, 128, 140
RGB Percent	45%, 50%, 55%
CMY	0.5490, 0.4980, 0.4510
CMYK	0.18, 0.09, 0.00, 0.45
HSL	209°, 10%, 50%
HSV	209°, 18%, 55%
XYZ	19.5230, 20.9766, 27.8309
YIQ	125.4810, -11.6000, 0.9760

Conversions

Conversions Part 2

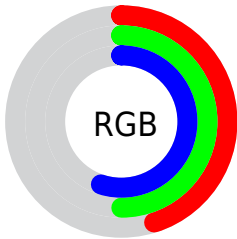
Format	Color
R_{YB}	115, 124, 140
Decimal	7569548
CIE _{Lab}	52.92, -2.07, -8.09
CIE _{LCh}	53, 8.354, 255.626
Yxy	20.9766, 0.2857, 0.3070
Android (android.graphics.Color)	4285759628 (0xFF73808C)
YUV	125.4810, 7.1579, -9.1918
Hunter-Lab	45.8002, -4.0622, -3.9679

Details

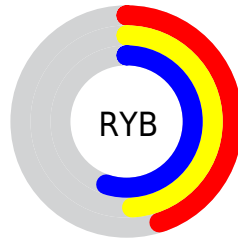
The XYZ color **19.5230, 20.9766, 27.8309** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.4993, 21.9920, 19.3318**, and the grayscale version is **19.6351, 20.6576, 22.4962**.

A 20% lighter version of the original color is **42.1978, 45.1583, 57.5313**, and **6.9562, 7.5234, 10.7584** is the 20% darker color. If you saturate the color by 10%, you get **16.9725, 18.4040, 27.4691**, and if you desaturate by 10%, it is **22.4124, 23.8112, 28.2261**.

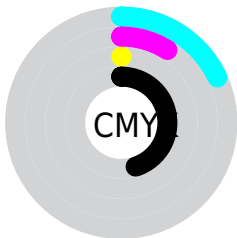
Distribution



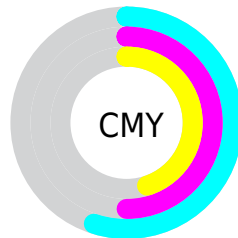
- Red (45%)
- Green (50%)
- Blue (55%)



- Red (45%)
- Yellow (49%)
- Blue (55%)



- Cyan (18%)
- Magenta (9%)
- Yellow (0%)
- Black (45%)



- Cyan (55%)
- Magenta (50%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5230, 20.9766, 27.8309 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 19.5230, 20.9766, 27.8309 by changing the saturation by 10% instead.

■ 19.5230, 20.9766,
27.8309

■ 19.5230, 20.9766,
27.8309

242.2041,
257.1541, 305.5445

■ 12.1550, 13.1069,
17.9603

■ 42.1261, 45.0486,
57.2342

■ 6.9223, 7.5022,
10.7523

■ 58.0919, 62.0197,
77.6040

■ 3.4595, 3.7781,
5.7885

■ 77.6544, 82.7933,
102.3106

■ 1.4011, 1.5502,
2.6502

101.1789,
107.7539, 131.7725

■ 0.2570, 0.3237,
0.9182

129.0307,
137.2859, 166.4083

■ 0.0000, 0.0000,
0.0000

161.5753,

171.7737, 206.6366

199.1780,
211.6016, 252.8758

■ 19.5230, 20.9766,
27.8309

■ 19.5230, 20.9766,
27.8309

■ 16.9725, 18.4040,
27.4691

■ 22.4124, 23.8112,
28.2261

■ 14.7455, 16.0821,
27.1383

■ 25.6517, 26.9133,
28.6541

■ 12.8277, 14.0025,
26.8380

■ 29.2537, 30.2918,
29.1164

■ 11.2033, 12.1552,
26.5670

■ 33.2299, 33.9541,
29.6137

■ 9.8549, 10.5294,
26.3243

■ 37.5914, 37.9074,
30.1469

■ 8.7630, 9.1131,
26.1085

■ 42.3487, 42.1585,
30.7167

■ 7.9050, 7.8929,
25.9182

■ 47.5120, 46.7141,
31.3239

■ 7.2367, 6.8438,
25.7509

■ 53.0909, 51.5807,
31.9692

■ 7.1038, 6.6336,
25.7173

■ 59.0949, 56.7643,
32.6533

Harmonies

Analogous

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



18.7844, 20.9766, 26.4588



19.5230, 20.9766, 27.8309



20.3941, 20.9766, 27.7998

Triad

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



19.5230, 20.9766, 27.8309



21.6016, 20.9766, 21.5670



18.7594, 20.9766, 19.6343

Complementary

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



19.5230, 20.9766, 27.8309



21.4993, 21.9920, 19.3318

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.



19.4880, 20.9766, 18.5081



19.5230, 20.9766, 27.8309



21.1371, 20.9766, 19.5671

Square

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



19.5230, 20.9766, 27.8309



21.6116, 20.9766, 24.0567



20.3581, 20.9766, 18.4845



18.3524, 20.9766, 21.6649

Rectangle

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



19.5230, 20.9766, 27.8309



20.9334, 20.9766, 26.9832



20.3581, 20.9766, 18.4845



18.9739, 20.9766, 19.1441

Sweetspot

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



19.5236, 20.9775, 27.8314



41.0223, 43.4366, 49.9650



20.2578, 23.9250, 23.5156



9.3731, 9.9324, 11.5026



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.



19.5236, 20.9775, 27.8314



32.7406, 35.3049, 48.8319



18.0304, 17.9911, 27.3336



4.9757, 5.2944, 6.3655



6.3317, 5.9338, 22.8573



0.0567, 0.0688, 0.1567

Inverse Universe

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



20.8427, 19.3959, 23.0683



35.4879, 32.1209, 38.8872



23.1669, 25.3272, 19.8877



5.1344, 5.0892, 5.7960



10.6828, 5.3832, 6.0998



0.0784, 0.0387, 0.0795

Previews

White Background



This preview shows how the XYZ color 19.5230, 20.9766, 27.8309 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 19.5230, 20.9766, 27.8309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

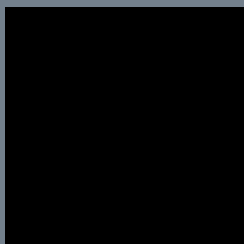
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

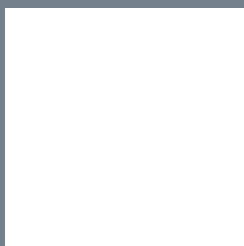
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5230, 20.9766, 27.8309

Background



This preview shows how black text looks on a background with the XYZ color 19.5230, 20.9766, 27.8309.



This preview shows how white text looks on a background with the XYZ color 19.5230, 20.9766,

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

19.5230, 20.9766, 27.8309

Protanopia

20.3785, 20.8622, 26.9975

Deuteranopia

21.2508, 20.9143, 28.1161



Tritanopia

19.3768, 20.9182, 27.0611

Trichromacy



Original Color

19.5230, 20.9766, 27.8309

Protanomaly

20.0062, 20.8507, 27.3963

Deuteranomaly

20.5988, 20.9503, 28.1574

Tritanomaly

19.4496, 20.9473, 27.4442

Monochromacy



Original Color

19.5230, 20.9766, 27.8309

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.3753, 20.5984, 24.0738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5230, 20.9766, 27.8309 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(115, 128, 140)` looks like.

```
.text, #text, p{  
    color:rgb(115, 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(115, 128, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 128, 140) }
```

Border

The CSS property to change the border of an element to XYZ 19.5230, 20.9766, 27.8309 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(115, 128, 140) }
```


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

```
.border{ border-color:rgb(115, 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(115, 128, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 128, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 128, 140);  
box-shadow:4px 4px 4px 4px rgb(115, 128,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5230, 20.9766, 27.8309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 128, 140) }
```

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

```
.background{ background-color: rgb(115,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor