

Converting Colors

XYZ(19.9229, 20.7551, 22.9945)

Have a look what the booklet for
XYZ(19.9229, 20.7551, 22.9945)
contains.

XYZ(19.9168, 20.7116, 23.0267)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(19.9168, 20.7116,
23.0267)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7D7F
RGB	127, 125, 127
RGB Percent	50%, 49%, 50%
CMY	0.5020, 0.5098, 0.5020
CMYK	0.00, 0.02, 0.00, 0.50
HSL	300°, 1%, 49%
HSV	300°, 2%, 50%
XYZ	19.9168, 20.7116, 23.0267
YIQ	125.8260, 0.5500, 1.0460

Conversions

Conversions Part 2

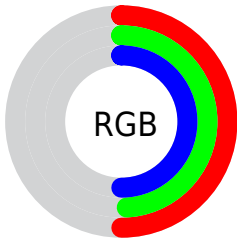
Format	Color
R_{YB}	127, 125, 127
Decimal	8355199
CIE Lab	52.63, 1.15, -0.83
CIE LCh	53, 1.418, 324.394
Yxy	20.7116, 0.3129, 0.3254
Android (android.graphics.Color)	4286545279 (0xFF7F7D7F)
YUV	125.8260, 0.5788, 1.0296
Hunter-Lab	45.5100, -1.5245, 1.8580

Details

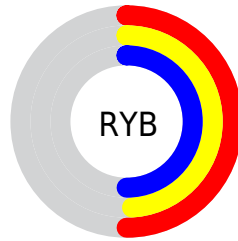
The XYZ color **19.9168, 20.7116, 23.0267** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.7493, 21.0200, 22.4195**, and the grayscale version is **19.7706, 20.8002, 22.6514**.

A 20% lighter version of the original color is **42.9810, 44.8394, 49.5695**, and **7.1015, 7.3386, 8.2499** is the 20% darker color. If you saturate the color by 10%, you get **18.4110, 17.6998, 22.5250**, and if you desaturate by 10%, it is **21.6294, 24.1364, 23.5978**.

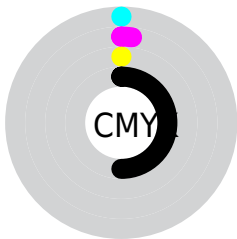
Distribution



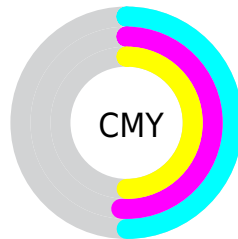
- Red (50%)
- Green (49%)
- Blue (50%)



- Red (50%)
- Yellow (49%)
- Blue (50%)



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (50%)



- Cyan (50%)
- Magenta (51%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9168, 20.7116, 23.0267 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 19.9168, 20.7116, 23.0267 by changing the saturation by 10% instead.

■ 19.9168, 20.7116,
23.0267

■ 19.9168, 20.7116,
23.0267

244.3065,
255.7418, 280.9885

■ 12.4425, 12.9134,
14.4077

■ 42.7827, 44.6071,
49.3609

■ 7.1201, 7.3689,
8.2628

■ 58.9049, 61.4731,
67.9133

■ 3.5843, 3.6939,
4.1734

■ 78.6405, 82.1304,
90.6138

■ 1.4698, 1.5038,
1.7209

102.3549,
106.9636, 117.8811

■ 0.3051, 0.2914,
0.3750

130.4133,
136.3569, 150.1336

■ 0.0000, 0.0000,
0.0000

163.1811,

170.6948, 187.7900

201.0237,
210.3616, 231.2688

■ 19.9168, 20.7116,
23.0267

■ 19.9168, 20.7116,
23.0267

■ 18.4110, 17.6998,
22.5250

■ 21.6294, 24.1364,
23.5978

■ 17.1024, 15.0828,
22.0889

■ 23.5543, 27.9862,
24.2394

■ 15.9835, 12.8450,
21.7159

■ 25.6991, 32.2757,
24.9543

■ 15.0455, 10.9690,
21.4032

■ 28.0705, 37.0183,
25.7448

■ 14.2788, 9.4357,
21.1477

■ 30.6747, 42.2266,
26.6128

■ 13.6731, 8.2244,
20.9458

■ 33.5179, 47.9130,
27.5606

■ 13.2169, 7.3122,
20.7938

■ 36.6061, 54.0892,
28.5899

■ 12.8973, 6.6731,
20.6873

■ 39.9448, 60.7665,
29.7028

■ 12.6991, 6.2767,
20.6212

■ 43.5395, 67.9560,
30.9010

Harmonies

Analogous

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



19.8029, 20.7116, 23.2978



19.9168, 20.7116, 23.0267



19.9688, 20.7116, 22.6307

Triad

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



19.9168, 20.7116, 23.0267



19.7134, 20.7116, 21.7542



19.4291, 20.7116, 22.8879

Complementary

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



19.9168, 20.7116, 23.0267



19.7493, 21.0200, 22.4195

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.



19.4054, 20.7116, 22.4723



19.9168, 20.7116, 23.0267



19.5691, 20.7116, 21.8211

Square

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



19.9168, 20.7116, 23.0267



19.8510, 20.7116, 21.8987



19.4565, 20.7116, 22.0827



19.5214, 20.7116, 23.2170

Rectangle

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



19.9168, 20.7116, 23.0267



19.9612, 20.7116, 22.3505



19.4565, 20.7116, 22.0827



19.4128, 20.7116, 22.7535

Sweetspot

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



19.9174, 20.7125, 23.0272



36.1244, 38.0056, 41.3881



19.6270, 20.5691, 23.0148



8.4577, 8.8982, 9.6901



62.3462, 65.5931, 71.4309

Same Dimension

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



19.9174, 20.7125, 23.0272



35.5306, 36.8182, 41.1902



19.8548, 20.6874, 22.6973



4.7650, 4.9461, 5.5168



12.6899, 6.0956, 20.7577



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.7885, 20.6609, 22.3482



35.2310, 36.6983, 39.6122



19.8113, 21.0448, 22.7460



4.7293, 4.9318, 5.3287



8.8271, 4.5505, 0.4132



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.9168, 20.7116, 23.0267 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 19.9168, 20.7116, 23.0267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

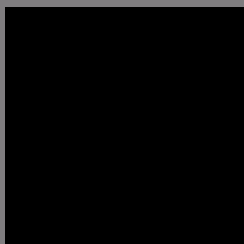
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

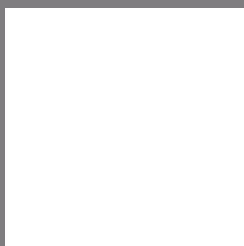
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9168, 20.7116, 23.0267

Background



This preview shows how black text looks on a background with the XYZ color 19.9168, 20.7116, 23.0267.



This preview shows how white text looks on a background with the XYZ color 19.9168, 20.7116,

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

19.9168, 20.7116, 23.0267

Protanopia

19.9168, 20.7116, 23.0267

Deuteranopia

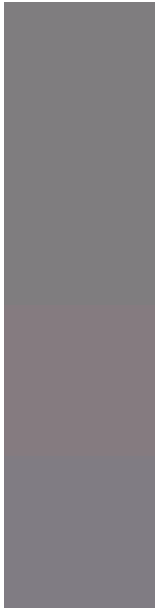
21.1723, 20.7959, 23.3202



Tritanopia

20.4128, 20.7257, 25.4789

Trichromacy



Original Color

19.9168, 20.7116, 23.0267

Protanomaly

19.9168, 20.7116, 23.0267

Deuteranomaly

20.6521, 20.7110, 23.3312

Tritanomaly

20.2065, 20.6432, 24.3923

Monochromacy



Original Color

19.9168, 20.7116, 23.0267

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.8309, 20.8637, 22.7206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9168, 20.7116, 23.0267 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(127, 125, 127)` looks like.

```
.text, #text, p{  
    color:rgb(127, 125, 127)  
}
```

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(127, 125, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 125, 127) }
```

Border

The CSS property to change the border of an element to XYZ 19.9168, 20.7116, 23.0267 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(127, 125, 127) }
```

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

```
.border{ border-color:rgb(127, 125, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 125, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 125, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 125, 127);  
box-shadow:4px 4px 4px 4px rgb(127, 125,  
127) }
```


Background

The CSS property to change the background color of an element to XYZ 19.9168, 20.7116, 23.0267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 125, 127) }
```

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

```
.background{ background-color: rgb(127,  
125, 127) }
```

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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