

Converting Colors

XYZ(19.5622, 21.3298, 23.8495)

Have a look what the booklet for
XYZ(19.5622, 21.3298, 23.8495)
contains.

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Color

**XYZ(19.5584, 21.2786,
23.8452)**

Conversions

Conversions Part 1

Format	Color
Hex	788181
RGB	120, 129, 129
RGB Percent	47%, 51%, 51%
CMY	0.5294, 0.4941, 0.4941
CMYK	0.07, 0.00, 0.00, 0.49
HSL	180°, 4%, 49%
HSV	180°, 7%, 51%
XYZ	19.5584, 21.2786, 23.8452
YIQ	126.3090, -5.3640, -1.9080

Conversions

Conversions Part 2

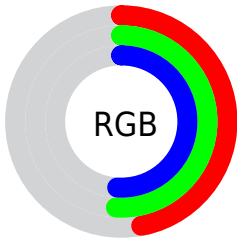
Format	Color
R_{YB}	120, 125, 129
Decimal	7897473
CIE _{Lab}	53.25, -3.31, -1.15
CIE _{LCh}	53, 3.509, 199.148
Yxy	21.2786, 0.3024, 0.3290
Android (android.graphics.Color)	4286087553 (0xFF788181)
YUV	126.3090, 1.3267, -5.5330
Hunter-Lab	46.1287, -5.0420, 1.6415

Details

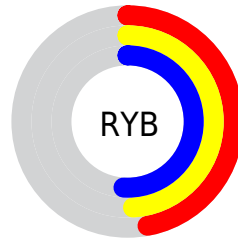
The XYZ color **19.5584, 21.2786, 23.8452** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.1607, 19.4566, 20.5159**, and the grayscale version is **19.9338, 20.9719, 22.8384**.

A 20% lighter version of the original color is **42.1847, 45.6040, 50.8350**, and **6.9891, 7.6942, 8.7062** is the 20% darker color. If you saturate the color by 10%, you get **17.8884, 20.4183, 23.7663**, and if you desaturate by 10%, it is **21.4707, 22.2650, 23.9363**.

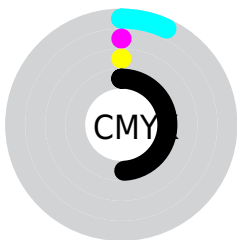
Distribution



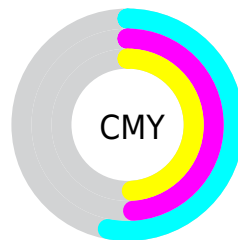
- Red (47%)
- Green (51%)
- Blue (51%)



- Red (47%)
- Yellow (49%)
- Blue (51%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5584, 21.2786, 23.8452 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 19.5584, 21.2786, 23.8452 by changing the saturation by 10% instead.

■ 19.5584, 21.2786,
23.8452

■ 19.5584, 21.2786,
23.8452

242.3937,
258.7554, 285.2982

■ 12.1808, 13.3278,
15.0077

■ 42.1852, 45.5507,
50.7181

■ 6.9400, 7.6547,
8.6781

■ 58.1651, 62.6409,
69.5906

■ 3.4706, 3.8748,
4.4379

■ 77.7432, 83.5462,
92.6452

■ 1.4072, 1.6038,
1.8685

101.2848,
108.6512, 120.3004

■ 0.2614, 0.3601,
0.4726

129.1554,
138.3403, 152.9748

■ 0.0000, 0.0000,
0.0000

161.7201,

172.9977, 191.0868

199.3444,
213.0080, 235.0552

■ 19.5584, 21.2786,
23.8452

■ 19.5584, 21.2786,
23.8452

■ 17.8884, 20.4183,
23.7663

■ 21.4707, 22.2650,
23.9363

■ 16.4494, 19.6765,
23.6977

■ 23.6324, 23.3794,
24.0387

■ 15.2316, 19.0487,
23.6395

■ 26.0529, 24.6271,
24.1532

■ 14.2241, 18.5294,
23.5912

■ 28.7401, 26.0124,
24.2802

■ 13.4151, 18.1123,
23.5521

■ 31.7021, 27.5393,
24.4200

■ 12.7913, 17.7908,
23.5217

■ 34.9461, 29.2117,
24.5730

■ 12.3382, 17.5572,
23.4993

■ 38.4795, 31.0332,
24.7396

■ 12.0389, 17.4030,
23.4841

■ 42.3091, 33.0074,
24.9200

■ 11.8599, 17.3107,
23.4745

■ 46.4418, 35.1378,
25.1146

Harmonies

Analogous

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



19.5323, 21.2786, 22.7863



19.5584, 21.2786, 23.8452



19.7617, 21.2786, 24.7483

Triad

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



19.5584, 21.2786, 23.8452



20.7689, 21.2786, 24.5306



20.3592, 21.2786, 21.2201

Complementary

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



19.5584, 21.2786, 23.8452



19.1607, 19.4566, 20.5159

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.



20.6948, 21.2786, 21.6579



19.5584, 21.2786, 23.8452



20.9332, 21.2786, 23.5555

Square

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



19.5584, 21.2786, 23.8452



20.4595, 21.2786, 25.1523



20.9059, 21.2786, 22.5053



19.9916, 21.2786, 21.2923

Rectangle

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



19.5584, 21.2786, 23.8452



19.9719, 21.2786, 25.1304



20.9059, 21.2786, 22.5053



20.4796, 21.2786, 21.3120

Sweetspot

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



19.5590, 21.2795, 23.8457



36.6572, 38.9467, 42.7775



19.0075, 21.0613, 20.8329



8.3085, 8.8212, 9.6830



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



19.5590, 21.2795, 23.8457



34.6397, 37.9067, 42.6817



18.9981, 20.1574, 23.6595



4.4464, 4.8869, 5.5219



11.5153, 16.8527, 22.8841



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.1607, 19.4566, 20.5159



33.8094, 34.1071, 35.7412



19.6958, 20.5271, 20.6935



4.3278, 4.3443, 4.5308



8.8272, 4.5506, 0.4141



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.5584, 21.2786, 23.8452 looks on a white background.

Color Contrast Check

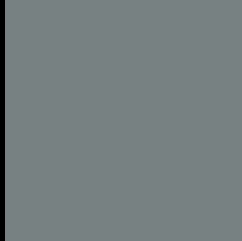
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5584, 21.2786, 23.8452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

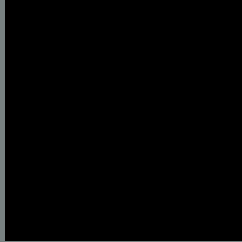
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5584, 21.2786, 23.8452

Background



This preview shows how black text looks on a background with the XYZ color 19.5584, 21.2786, 23.8452.



This preview shows how white text looks on a background with the XYZ color 19.5584, 21.2786,

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

19.5584, 21.2786, 23.8452

Protanopia

20.3449, 21.1211, 23.0832

Deuteranopia

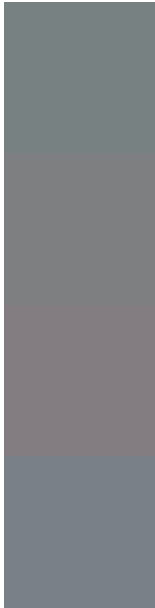
21.5935, 21.1809, 24.0693



Tritanopia

20.1918, 21.3383, 27.0992

Trichromacy



Original Color

19.5584, 21.2786, 23.8452

Protanomaly

20.0898, 21.1729, 23.4500

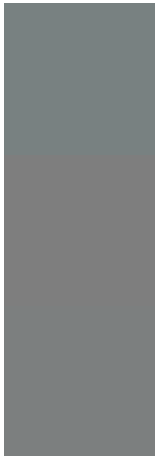
Deuteranomaly

20.7230, 21.1042, 24.1004

Tritanomaly

19.9775, 21.2526, 25.9709

Monochromacy



Original Color

19.5584, 21.2786, 23.8452

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.7323, 20.9961, 23.0913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5584, 21.2786, 23.8452 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(120, 129, 129)  
}
```

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, 129) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 19.5584, 21.2786, 23.8452 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, 129) }
```


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

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

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, 129)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 19.5584, 21.2786, 23.8452 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, 129) }
```

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

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

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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