

Converting Colors

XYZ(18.6684, 19.2240, 24.5314)

Have a look what the booklet for
XYZ(18.6684, 19.2240, 24.5314)
contains.

XYZ(18.7480, 19.3338, 24.5735)	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(18.7480, 19.3338,
24.5735)**

Conversions

Conversions Part 1

Format	Color
Hex	787984
RGB	120, 121, 132
RGB Percent	47%, 47%, 52%
CMY	0.5294, 0.5255, 0.4823
CMYK	0.09, 0.08, 0.00, 0.48
HSL	235°, 5%, 49%
HSV	235°, 9%, 52%
XYZ	18.7480, 19.3338, 24.5735
YIQ	121.9550, -4.1270, 3.2090

Conversions

Conversions Part 2

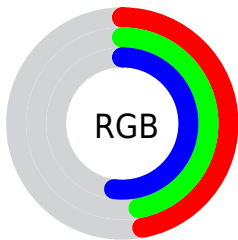
Format	Color
R_{YB}	120, 121, 132
Decimal	7895428
CIE Lab	51.08, 1.94, -6.12
CIE LCh	51, 6.420, 287.561
Yxy	19.3338, 0.2992, 0.3086
Android (android.graphics.Color)	4286085508 (0xFF787984)
YUV	121.9550, 4.9522, -1.7145
Hunter-Lab	43.9702, -0.8391, -2.3561

Details

The XYZ color **18.7480, 19.3338, 24.5735** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.0223, 22.4941, 21.0035**, and the grayscale version is **18.4698, 19.4317, 21.1611**.

A 20% lighter version of the original color is **40.7138, 42.1606, 51.8909**, and **6.6164, 6.7673, 9.1411** is the 20% darker color. If you saturate the color by 10%, you get **15.6630, 15.6965, 24.0343**, and if you desaturate by 10%, it is **22.2710, 23.4717, 25.1868**.

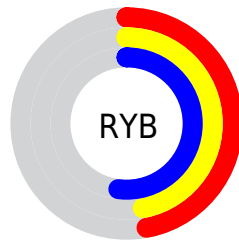
Distribution



Red (47%)

Green (47%)

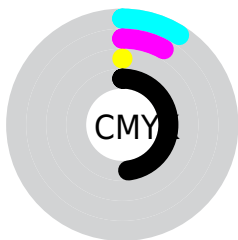
Blue (52%)



Red (47%)

Yellow (47%)

Blue (52%)

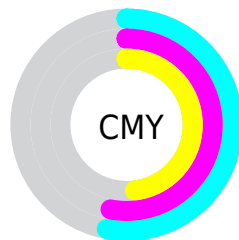


Cyan (9%)

Magenta (8%)

Yellow (0%)

Black (48%)



Cyan (53%)

Magenta (53%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7480, 19.3338, 24.5735 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 18.7480, 19.3338, 24.5735 by changing the saturation by 10% instead.

■ 18.7480, 19.3338,
24.5735

■ 18.7480, 19.3338,
24.5735

238.0189,
248.2854, 289.0866

■ 11.5913, 11.9117,
15.5435

■ 40.8280, 42.2974,
51.9200

■ 6.5362, 6.6836,
9.0508

■ 56.4820, 58.6077,
71.0735

■ 3.2175, 3.2650,
4.6771

■ 75.6991, 78.6495,
94.4386

■ 1.2698, 1.2716,
2.0037

98.8447, 102.8073,
122.4338

■ 0.1604, 0.1191,
0.5575

126.2841,
131.4653, 155.4777

■ 0.0000, 0.0000,
0.0000

158.3827,

165.0081, 193.9887

195.5059,
203.8200, 238.3855

■ 18.7480, 19.3338,
24.5735

■ 18.7480, 19.3338,
24.5735

■ 15.6630, 15.6965,
24.0343

■ 22.2710, 23.4717,
25.1868

■ 12.9971, 12.5384,
23.5653

■ 26.2464, 28.1256,
25.8756

■ 10.7328, 9.8402,
23.1638

■ 30.6899, 33.3132,
26.6427

■ 8.8505, 7.5805,
22.8268

■ 35.6163, 39.0509,
27.4905

■ 7.3291, 5.7359,
22.5510

■ 41.0395, 45.3541,
28.4213

■ 6.1454, 4.2813,
22.3326

■ 46.9727, 52.2377,
29.4373

■ 5.2735, 3.1882,
22.1676

■ 53.4290, 59.7162,
30.5405

■ 4.6835, 2.4249,
22.0513

■ 60.4207, 67.8033,
31.7330

■ 4.3129, 1.9396,
21.9772

■ 67.9598, 76.5124,
33.0166

Harmonies

Analogous

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



18.1138, 19.3338, 24.6635



18.7480, 19.3338, 24.5735



19.2944, 19.3338, 23.5066

Triad

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



18.7480, 19.3338, 24.5735



19.2146, 19.3338, 18.5686



17.2066, 19.3338, 20.3051

Complementary

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



18.7480, 19.3338, 24.5735



21.0223, 22.4941, 21.0035

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.



17.4876, 19.3338, 18.7731



18.7480, 19.3338, 24.5735



18.6411, 19.3338, 17.8101

Square

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



18.7480, 19.3338, 24.5735



19.5681, 19.3338, 20.0111



18.0093, 19.3338, 17.8827



17.2337, 19.3338, 22.1267

Rectangle

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



18.7480, 19.3338, 24.5735



19.5310, 19.3338, 22.4179



18.0093, 19.3338, 17.8827



17.2679, 19.3338, 19.7413

Sweetspot

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



18.7486, 19.3346, 24.5739



36.6685, 38.3397, 43.9208



20.0805, 22.1292, 24.6151



8.4292, 8.7994, 10.2069



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.7486, 19.3346, 24.5739



31.7897, 32.6032, 43.0707



19.3100, 19.4442, 24.5655



4.4634, 4.6025, 5.8539



4.1507, 1.8491, 21.2748



0.0163, 0.0102, 0.0743

Inverse Universe

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



19.6839, 19.7194, 20.8589



33.8009, 33.4365, 35.0809



20.4240, 22.3864, 21.0142



4.6872, 4.6946, 4.9651



9.2732, 4.7736, 0.7449



0.0331, 0.0169, 0.0076

Previews

White Background



This preview shows how the XYZ color 18.7480, 19.3338, 24.5735 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 18.7480, 19.3338, 24.5735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

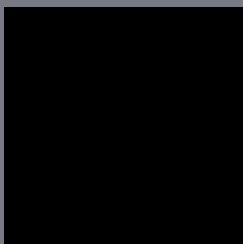
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

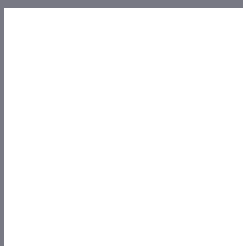
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7480, 19.3338, 24.5735

Background



This preview shows how black text looks on a background with the XYZ color 18.7480, 19.3338, 24.5735.



This preview shows how white text looks on a background with the XYZ color 18.7480, 19.3338,

24.5735.

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

18.7480, 19.3338, 24.5735

Protanopia

18.8874, 19.4056, 24.5800

Deuteranopia

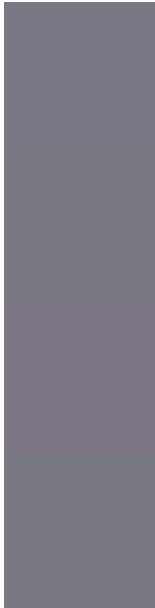
19.6142, 19.2395, 24.8701



Tritanopia

18.6798, 19.3065, 24.2147

Trichromacy



Original Color

18.7480, 19.3338, 24.5735

Protanomaly

18.8874, 19.4056, 24.5800

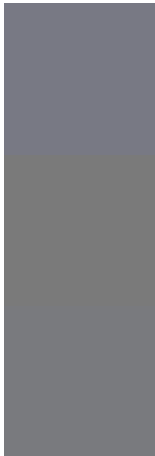
Deuteranomaly

19.2879, 19.2471, 24.8888

Tritanomaly

18.6798, 19.3065, 24.2147

Monochromacy



Original Color

18.7480, 19.3338, 24.5735

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.6106, 19.4904, 22.5198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7480, 19.3338, 24.5735 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, 121, 132)` looks like.

```
.text, #text, p{  
    color:rgb(120, 121, 132)  
}
```

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, 121, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 121, 132) }
```

Border

The CSS property to change the border of an element to XYZ 18.7480, 19.3338, 24.5735 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, 121, 132) }
```


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

```
.border{ border-color:rgb(120, 121, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 121, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 121, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 121, 132);  
box-shadow:4px 4px 4px 4px rgb(120, 121,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7480, 19.3338, 24.5735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 121, 132) }
```

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

```
.background{ background-color: rgb(120,  
121, 132) }
```

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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