

Converting Colors

XYZ(20.5058, 21.1255, 23.8779)

Have a look what the booklet for
XYZ(20.5058, 21.1255, 23.8779)
contains.

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Color

**XYZ(20.4766, 21.1738,
23.7766)**

Conversions

Conversions Part 1

Format	Color
Hex	817E81
RGB	129, 126, 129
RGB Percent	51%, 49%, 51%
CMY	0.4941, 0.5059, 0.4941
CMYK	0.00, 0.02, 0.00, 0.49
HSL	300°, 1%, 50%
HSV	300°, 2%, 51%
XYZ	20.4766, 21.1738, 23.7766
YIQ	127.2390, 0.8250, 1.5690

Conversions

Conversions Part 2

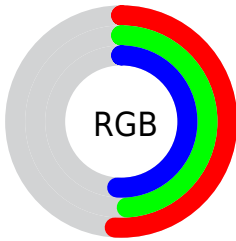
Format	Color
R_{YB}	129, 126, 129
Decimal	8486529
CIE Lab	53.14, 1.73, -1.23
CIE LCh	53, 2.120, 324.480
Yxy	21.1738, 0.3130, 0.3236
Android (android.graphics.Color)	4286676609 (0xFF817E81)
YUV	127.2390, 0.8682, 1.5444
Hunter-Lab	46.0150, -1.0940, 1.5745

Details

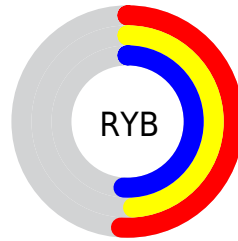
The XYZ color **20.4766, 21.1738, 23.7766** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.2212, 21.6431, 22.8516**, and the grayscale version is **20.2524, 21.3071, 23.2034**.

A 20% lighter version of the original color is **43.8550, 45.5627, 50.7390**, and **7.4101, 7.5924, 8.6643** is the 20% darker color. If you saturate the color by 10%, you get **18.9325, 18.0854, 23.2616**, and if you desaturate by 10%, it is **22.2347, 24.6895, 24.3634**.

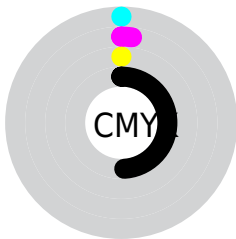
Distribution



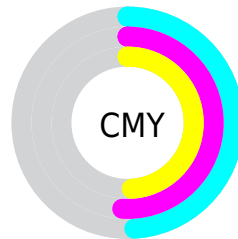
- Red (51%)
- Green (49%)
- Blue (51%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (49%)



- Cyan (49%)
- Magenta (51%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4766, 21.1738, 23.7766 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 20.4766, 21.1738, 23.7766 by changing the saturation by 10% instead.

■ 20.4766, 21.1738,
23.7766

■ 20.4766, 21.1738,
23.7766

247.2684,
258.2007, 284.9392

■ 12.8522, 13.2511,
14.9573

■ 43.7127, 45.3766,
50.6047

■ 7.4032, 7.6017,
8.6431

■ 60.0551, 62.4255,
69.4505

■ 3.7641, 3.8412,
4.4155

■ 80.0343, 83.2853,
92.4756

■ 1.5695, 1.5851,
1.8560

104.0155,
108.3403, 120.0986

■ 0.3724, 0.3475,
0.4645

132.3642,
137.9749, 152.7378

■ 0.0000, 0.0000,
0.0000

165.4456,

172.5736, 190.8120

203.6252,
212.5207, 234.7396

■ 20.4766, 21.1738,
23.7766

■ 20.4766, 21.1738,
23.7766

■ 18.9325, 18.0854,
23.2616

■ 22.2347, 24.6895,
24.3634

■ 17.5924, 15.4054,
22.8144

■ 24.2125, 28.6450,
25.0232

■ 16.4484, 13.1176,
22.4326

■ 26.4180, 33.0557,
25.7589

■ 15.4913, 11.2035,
22.1130

■ 28.8580, 37.9356,
26.5727

■ 14.7111, 9.6434,
21.8525

■ 31.5392, 43.2979,
27.4670

■ 14.0971, 8.4155,
21.6473

■ 34.4680, 49.1553,
28.4437

■ 13.6371, 7.4957,
21.4934

■ 37.6505, 55.5201,
29.5051

■ 13.3176, 6.8569,
21.3864

■ 41.0926, 62.4042,
30.6530

■ 13.1225, 6.4668,
21.3209

■ 44.8000, 69.8189,
31.8893

Harmonies

Analogous

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



20.3035, 21.1738, 24.1922



20.4766, 21.1738, 23.7766



20.5555, 21.1738, 23.1732

Triad

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



20.4766, 21.1738, 23.7766



20.1664, 21.1738, 21.8521



19.7368, 21.1738, 23.5680

Complementary

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



20.4766, 21.1738, 23.7766



20.2212, 21.6431, 22.8516

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.



19.7006, 21.1738, 22.9366



20.4766, 21.1738, 23.7766



19.9476, 21.1738, 21.9534

Square

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



20.4766, 21.1738, 23.7766



20.3756, 21.1738, 22.0681



19.7776, 21.1738, 22.3475



19.8766, 21.1738, 24.0702

Rectangle

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



20.4766, 21.1738, 23.7766



20.5437, 21.1738, 22.7485



19.7776, 21.1738, 22.3475



19.7121, 21.1738, 23.3635

Sweetspot

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



20.4772, 21.1747, 23.7771



37.0569, 38.6934, 42.7079



20.0284, 20.9433, 23.7562



8.3926, 8.7680, 9.6684



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.



20.4772, 21.1747, 23.7771



36.4500, 37.4797, 42.5054



20.3783, 21.1351, 23.2561



4.6959, 4.8078, 5.4937



12.6895, 6.0955, 20.7524



0.0000, 0.0000, 0.0000

Inverse Universe

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



20.4772, 21.1747, 23.7771



36.4500, 37.4797, 42.5054



20.3186, 21.6821, 23.3648



4.6959, 4.8078, 5.4937



12.6895, 6.0955, 20.7524



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 20.4766, 21.1738, 23.7766 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 20.4766, 21.1738, 23.7766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

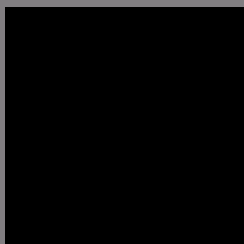
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

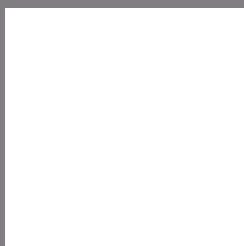
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4766, 21.1738, 23.7766

Background



This preview shows how black text looks on a background with the XYZ color 20.4766, 21.1738, 23.7766.



This preview shows how white text looks on a background with the XYZ color 20.4766, 21.1738,

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

20.4766, 21.1738, 23.7766

Protanopia

20.3254, 21.0959, 23.7695

Deuteranopia

21.5935, 21.1809, 24.0693



Tritanopia

20.9127, 21.1623, 25.9042

Trichromacy



Original Color

20.4766, 21.1738, 23.7766

Protanomaly

20.3254, 21.0959, 23.7695

Deuteranomaly

21.2286, 21.1779, 24.0880

Tritanomaly

20.7732, 21.1065, 25.1694

Monochromacy



Original Color

20.4766, 21.1738, 23.7766

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.3877, 21.3265, 23.4639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4766, 21.1738, 23.7766 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(129, 126, 129) looks like.

```
.text, #text, p{  
    color:rgb(129, 126, 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(129, 126, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 126, 129) }
```

Border

The CSS property to change the border of an element to XYZ 20.4766, 21.1738, 23.7766 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(129, 126, 129) }
```


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

```
.border{ border-color:rgb(129, 126, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 126, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 126, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 126, 129);  
box-shadow:4px 4px 4px 4px rgb(129, 126,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4766, 21.1738, 23.7766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 126, 129) }
```

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

```
.background{ background-color: rgb(129,  
126, 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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