

Converting Colors

XYZ(20.7126, 23.3792, 20.8497)

Have a look what the booklet for
XYZ(20.7126, 23.3792, 20.8497)
contains.

XYZ(20.7381, 23.3758, 20.8717)	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(20.7381, 23.3758,
20.8717)**

Conversions

Conversions Part 1

Format	Color
Hex	7E8877
RGB	126, 136, 119
RGB Percent	49%, 53%, 47%
CMY	0.5059, 0.4667, 0.5333
CMYK	0.07, 0.00, 0.13, 0.47
HSL	95°, 7%, 50%
HSV	95°, 13%, 53%
XYZ	20.7381, 23.3758, 20.8717
YIQ	131.0720, -0.5030, -7.4070

Conversions

Conversions Part 2

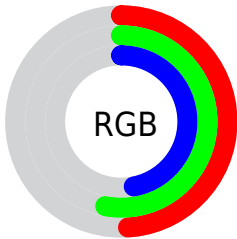
Format	Color
R_{YB}	119, 136, 129
Decimal	8292471
CIE Lab	55.46, -7.00, 7.88
CIE LCh	55, 10.541, 131.584
Yxy	23.3758, 0.3191, 0.3597
Android (android.graphics.Color)	4286482551 (0xFF7E8877)
YUV	131.0720, -5.9515, -4.4481
Hunter-Lab	48.3485, -8.0460, 8.2489

Details

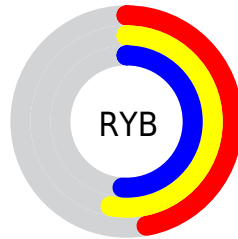
The XYZ color **20.7381, 23.3758, 20.8717** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.0949, 19.6389, 26.0253**, and the grayscale version is **21.6203, 22.7463, 24.7707**.

A 20% lighter version of the original color is **44.1387, 48.9192, 45.6441**, and **7.5257, 8.6883, 7.2416** is the 20% darker color. If you saturate the color by 10%, you get **18.8462, 22.4889, 16.8203**, and if you desaturate by 10%, it is **22.8425, 24.3601, 25.5442**.

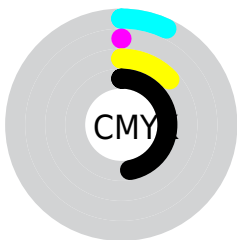
Distribution



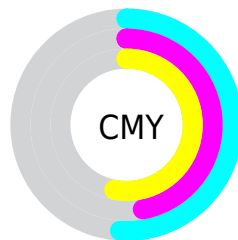
- Red (49%)
- Green (53%)
- Blue (47%)



- Red (47%)
- Yellow (53%)
- Blue (51%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (47%)



- Cyan (51%)
- Magenta (47%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7381, 23.3758, 20.8717 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 20.7381, 23.3758, 20.8717 by changing the saturation by 10% instead.

■ 20.7381, 23.3758,
20.8717

■ 20.7381, 23.3758,
20.8717

248.6415,
269.6493, 269.3545

■ 13.0441, 14.8712,
12.8399

■ 44.1458, 49.0097,
45.7519

■ 7.5361, 8.7291,
7.1890

■ 60.5902, 66.9077,
63.4375

■ 3.8489, 4.5649,
3.5003

■ 80.6821, 88.7058,
85.1780

■ 1.6170, 1.9943,
1.3554

104.7869,
114.7882, 111.3920

■ 0.4034, 0.6042,
0.1066

133.2698,
145.5394, 142.4982

■ 0.0000, 0.0000,
0.0000

166.4963,

181.3437, 178.9149

204.8318,
222.5856, 221.0609

■ 20.7381, 23.3758,
20.8717

■ 20.7381, 23.3758,
20.8717

■ 18.8462, 22.4889,
16.8203

■ 22.8425, 24.3601,
25.5442

■ 17.1579, 21.6933,
13.3624

■ 25.1644, 25.4418,
30.8609

■ 15.6662, 20.9868,
10.4706

■ 27.7108, 26.6247,
36.8455

■ 14.3629, 20.3657,
8.1144

■ 30.4879, 27.9115,
43.5201

■ 13.2395, 19.8264,
6.2610

■ 33.5016, 29.3048,
50.9058

■ 12.2863, 19.3648,
4.8735

■ 36.7577, 30.8070,
59.0227

■ 11.4927, 18.9762,
3.9103

■ 40.2615, 32.4207,
67.8903

■ 10.8466, 18.6554,
3.3220

■ 44.0184, 34.1480,
77.5271

■ 10.4351, 18.4497,
3.0112

■ 48.0335, 35.9914,
87.9511

Harmonies

Analogous

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



21.7631, 23.3758, 19.5737



20.7381, 23.3758, 20.8717



20.1232, 23.3758, 23.4436

Triad

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



20.7381, 23.3758, 20.8717



21.5051, 23.3758, 32.1675



24.5284, 23.3758, 24.1629

Complementary

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



20.7381, 23.3758, 20.8717



20.0949, 19.6389, 26.0253

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.



24.4534, 23.3758, 27.5725



20.7381, 23.3758, 20.8717



22.6792, 23.3758, 32.4037

Square

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



20.7381, 23.3758, 20.8717



20.5550, 23.3758, 30.0392



23.7667, 23.3758, 30.6583



23.9683, 23.3758, 21.3578

Rectangle

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



20.7381, 23.3758, 20.8717



20.0148, 23.3758, 25.6332



23.7667, 23.3758, 30.6583



24.5772, 23.3758, 25.2722

Sweetspot

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



20.7387, 23.3768, 20.8722



39.6402, 42.6415, 43.6342



21.3233, 22.2456, 20.6231



9.1200, 9.8472, 9.9701



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.7387, 23.3768, 20.8722



35.5670, 40.7361, 34.6560



19.8281, 22.8974, 21.2771



5.1542, 5.7022, 5.3814



9.8861, 17.4665, 2.8503



0.0816, 0.1243, 0.0197

Inverse Universe

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



20.0949, 19.6389, 26.0253



34.2020, 32.8127, 45.5792



21.0949, 20.1660, 25.5499



5.0381, 5.0280, 6.3108



7.3486, 3.3025, 22.2958



0.0655, 0.0305, 0.1489

Previews

White Background



This preview shows how the XYZ color 20.7381, 23.3758, 20.8717 looks on a white background.

Color Contrast Check

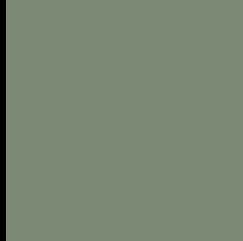
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7381, 23.3758, 20.8717 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

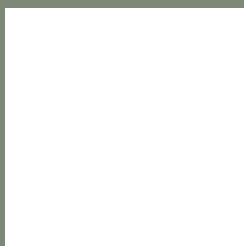
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7381, 23.3758, 20.8717

Background



This preview shows how black text looks on a background with the XYZ color 20.7381, 23.3758, 20.8717.



This preview shows how white text looks on a background with the XYZ color 20.7381, 23.3758,

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

20.7381, 23.3758, 20.8717

Protanopia

22.1096, 23.2759, 20.1570

Deuteranopia

23.7480, 23.3028, 21.3354



Tritanopia

22.5514, 23.5041, 29.3348

Trichromacy



Original Color

20.7381, 23.3758, 20.8717

Protanomaly

21.4891, 23.1514, 20.4756

Deuteranomaly

22.4910, 23.2514, 21.0719

Tritanomaly

21.8814, 23.4386, 25.9251

Monochromacy



Original Color

20.7381, 23.3758, 20.8717

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.2716, 22.9745, 23.3921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7381, 23.3758, 20.8717 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(126, 136, 119)` looks like.

```
.text, #text, p{  
    color:rgb(126, 136, 119)  
}
```

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(126, 136, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 136, 119) }
```

Border

The CSS property to change the border of an element to XYZ 20.7381, 23.3758, 20.8717 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(126, 136, 119) }
```


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

```
.border{ border-color:rgb(126, 136, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 136, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 136, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 136, 119);  
box-shadow:4px 4px 4px 4px rgb(126, 136,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7381, 23.3758, 20.8717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 136, 119) }
```

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

```
.background{ background-color: rgb(126,  
136, 119) }
```

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