

Converting Colors

XYZ(19.9692, 23.7190, 21.1481)

Have a look what the booklet for
XYZ(19.9692, 23.7190, 21.1481)
contains.

XYZ(20.1044, 23.8941, 21.3217)	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(20.1044, 23.8941,
21.3217)**

Conversions

Conversions Part 1

Format	Color
Hex	758C78
RGB	117, 140, 120
RGB Percent	46%, 55%, 47%
CMY	0.5412, 0.4510, 0.5294
CMYK	0.16, 0.00, 0.14, 0.45
HSL	128°, 9%, 50%
HSV	128°, 16%, 55%
XYZ	20.1044, 23.8941, 21.3217
YIQ	130.8430, -7.2880, -11.0960

Conversions

Conversions Part 2

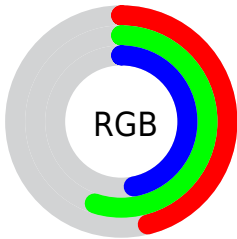
Format	Color
RYB	117, 137, 140
Decimal	7703672
CIELab	55.98, -12.35, 7.97
CIELCh	56, 14.699, 147.186
Yxy	23.8941, 0.3078, 0.3658
Android (android.graphics.Color)	4285893752 (0xFF758C78)
YUV	130.8430, -5.3456, -12.1403
Hunter-Lab	48.8816, -12.1279, 8.3554

Details

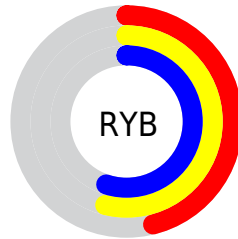
The XYZ color **20.1044, 23.8941, 21.3217** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.6927, 20.1048, 26.4054**, and the grayscale version is **21.5382, 22.6599, 24.6766**.

A 20% lighter version of the original color is **43.1004, 49.9971, 46.4085**, and **7.2098, 9.0092, 7.4898** is the 20% darker color. If you saturate the color by 10%, you get **17.6697, 22.7197, 17.5931**, and if you desaturate by 10%, it is **22.9157, 25.2532, 25.5594**.

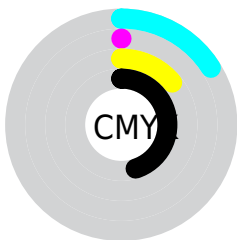
Distribution



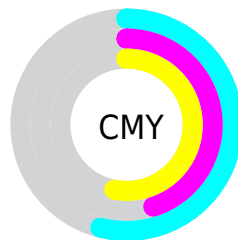
- Red (46%)
- Green (55%)
- Blue (47%)



- Red (46%)
- Yellow (54%)
- Blue (55%)



- Cyan (16%)
- Magenta (0%)
- Yellow (14%)
- Black (45%)



- Cyan (54%)
- Magenta (45%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1044, 23.8941, 21.3217 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 20.1044, 23.8941, 21.3217 by changing the saturation by 10% instead.

■ 20.1044, 23.8941,
21.3217

■ 20.1044, 23.8941,
21.3217

245.3025,
272.2846, 271.8202

■ 12.5797, 15.2551,
13.1658

■ 43.0948, 49.8573,
46.5100

■ 7.2147, 8.9986,
7.4108

■ 59.2911, 67.9503,
64.3796

■ 3.6443, 4.7403,
3.6380

■ 79.1087, 89.9635,
86.3241

■ 1.5029, 2.0957,
1.4289

102.9128,
116.2811, 112.7621

■ 0.3278, 0.6622,
0.1641

131.0689,
147.2876, 144.1122

■ 0.0000, 0.0000,
0.0000

163.9424,

183.3675, 180.7929

201.8984,
224.9050, 223.2227

■ 20.1044, 23.8941,
21.3217

■ 20.1044, 23.8941,
21.3217

■ 17.6697, 22.7197,
17.5931

■ 22.9157, 25.2532,
25.5594

■ 15.5938, 21.7190,
14.3529

■ 26.1168, 26.8013,
30.3227

■ 13.8600, 20.8848,
11.5813

■ 29.7223, 28.5463,
35.6293

■ 12.4501, 20.2080,
9.2567

■ 33.7459, 30.4948,
41.4956

■ 11.3436, 19.6785,
7.3557

■ 38.2002, 32.6532,
47.9373

■ 10.5179, 19.2852,
5.8526

■ 43.0977, 35.0274,
54.9696

■ 9.9472, 19.0155,
4.7191

■ 48.4502, 37.6231,
62.6069

■ 9.5918, 18.8496,
3.9228

■ 54.2689, 40.4461,
70.8632

■ 9.4898, 18.8015,
3.7123

■ 60.5648, 43.5015,
79.7522

Harmonies

Analogous

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



21.2676, 23.8941, 18.6295



20.1044, 23.8941, 21.3217



19.6368, 23.8941, 25.5655

Triad

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



20.1044, 23.8941, 21.3217



22.5525, 23.8941, 36.3851



25.7046, 23.8941, 22.0174

Complementary

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



20.1044, 23.8941, 21.3217



21.6927, 20.1048, 26.4054

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.



26.0895, 23.8941, 26.4730



20.1044, 23.8941, 21.3217



24.2175, 23.8941, 35.1364

Square

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



20.1044, 23.8941, 21.3217



21.0060, 23.8941, 34.5849



25.5329, 23.8941, 31.3546



24.5051, 23.8941, 18.9950

Rectangle

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



20.1044, 23.8941, 21.3217



19.7644, 23.8941, 28.8448



25.5329, 23.8941, 31.3546



25.9360, 23.8941, 23.3796

Sweetspot

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



20.1051, 23.8951, 21.3222



41.1068, 44.8625, 46.1183



22.9584, 25.3868, 20.5202



9.3953, 10.3003, 10.5120



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.1051, 23.8951, 21.3222



33.6527, 41.2612, 34.8602



20.8242, 24.1828, 25.1090



4.9967, 5.6182, 5.5036



8.4364, 16.7071, 3.3226



0.0590, 0.1122, 0.0376

Inverse Universe

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



21.6927, 20.1048, 26.4054



37.0377, 33.1793, 45.6967



20.9314, 19.8003, 22.3960



5.2063, 5.1179, 6.1746



12.7221, 6.1989, 16.8385



0.0881, 0.0426, 0.1309

Previews

White Background



This preview shows how the XYZ color 20.1044, 23.8941, 21.3217 looks on a white background.

Color Contrast Check

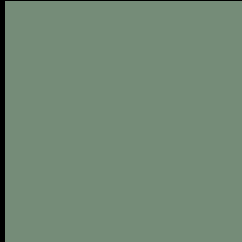
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1044, 23.8941, 21.3217 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 20.1044, 23.8941, 21.3217

Background



This preview shows how black text looks on a background with the XYZ color 20.1044, 23.8941, 21.3217.



This preview shows how white text looks on a background with the XYZ color 20.1044, 23.8941,

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

20.1044, 23.8941, 21.3217

Protanopia

22.5512, 23.9100, 20.2561

Deuteranopia

24.1256, 23.6850, 21.7125



Tritanopia

22.0967, 23.8525, 31.0431

Trichromacy



Original Color

20.1044, 23.8941, 21.3217

Protanomaly

21.5899, 23.8219, 20.5997

Deuteranomaly

22.4862, 23.6445, 21.4679

Tritanomaly

21.2067, 23.6905, 27.1219

Monochromacy



Original Color

20.1044, 23.8941, 21.3217

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.9600, 23.0181, 23.4169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1044, 23.8941, 21.3217 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(117, 140, 120)` looks like.

```
.text, #text, p{  
    color:rgb(117, 140, 120)  
}
```

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(117, 140, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 140, 120) }
```

Border

The CSS property to change the border of an element to XYZ 20.1044, 23.8941, 21.3217 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(117, 140, 120) }
```


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

```
.border{ border-color:rgb(117, 140, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 140, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 140, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 140, 120);  
box-shadow:4px 4px 4px 4px rgb(117, 140,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1044, 23.8941, 21.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 140, 120) }
```

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

```
.background{ background-color: rgb(117,  
140, 120) }
```

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