

Converting Colors

XYZ(20.4378, 23.0519, 23.9414)

Have a look what the booklet for
XYZ(20.4378, 23.0519, 23.9414)
contains.

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Color

**XYZ(20.4462, 23.1599,
23.8148)**

Conversions

Conversions Part 1

Format	Color
Hex	788880
RGB	120, 136, 128
RGB Percent	47%, 53%, 50%
CMY	0.5294, 0.4667, 0.4980
CMYK	0.12, 0.00, 0.06, 0.47
HSL	150°, 6%, 50%
HSV	150°, 12%, 53%
XYZ	20.4462, 23.1599, 23.8148
YIQ	130.3040, -6.9680, -5.8800

Conversions

Conversions Part 2

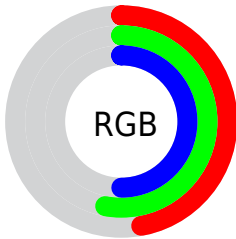
Format	Color
R_{YB}	120, 131, 136
Decimal	7899264
CIE _{Lab}	55.24, -7.46, 2.32
CIE _{LCh}	55, 7.816, 162.731
Yxy	23.1599, 0.3033, 0.3435
Android (android.graphics.Color)	4286089344 (0xFF788880)
YUV	130.3040, -1.1359, -9.0366
Hunter-Lab	48.1247, -8.3811, 4.3473

Details

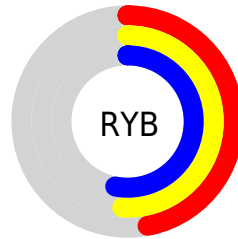
The XYZ color **20.4462, 23.1599, 23.8148** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.7669, 20.2263, 23.2327**, and the grayscale version is **21.3320, 22.4429, 24.4403**.

A 20% lighter version of the original color is **43.5513, 48.5020, 50.7825**, and **7.3376, 8.5597, 8.6626** is the 20% darker color. If you saturate the color by 10%, you get **18.2597, 22.0834, 21.4537**, and if you desaturate by 10%, it is **22.9320, 24.3885, 26.3475**.

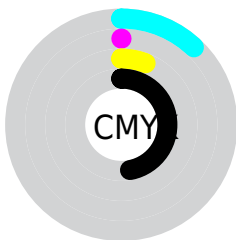
Distribution



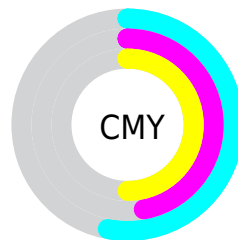
- Red (47%)
- Green (53%)
- Blue (50%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (6%)
- Black (47%)



- Cyan (53%)
- Magenta (47%)
- Yellow (50%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4462, 23.1599, 23.8148 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 20.4462, 23.1599, 23.8148 by changing the saturation by 10% instead.

■ 20.4462, 23.1599,
23.8148

■ 20.4462, 23.1599,
23.8148

247.1083,
268.5452, 285.1392

■ 12.8299, 14.7116,
14.9854

■ 43.6623, 48.6557,
50.6678

■ 7.3877, 8.6172,
8.6626

■ 59.9928, 66.4721,
69.5285

■ 3.7542, 4.4924,
4.4280

■ 79.9588, 88.1800,
92.5701

■ 1.5641, 1.9526,
1.8629

103.9256,
114.1637, 120.2110

■ 0.3688, 0.5797,
0.4690

132.2586,
144.8077, 152.8698

■ 0.0000, 0.0000,
0.0000

165.3232,

180.4963, 190.9651

203.4846,
221.6140, 234.9154

■ 20.4462, 23.1599,
23.8148

■ 20.4462, 23.1599,
23.8148

■ 18.2597, 22.0834,
21.4537

■ 22.9320, 24.3885,
26.3475

■ 16.3587, 21.1500,
19.2591

■ 25.7262, 25.7720,
29.0538

■ 14.7312, 20.3542,
17.2278

■ 28.8400, 27.3166,
31.9376

■ 13.3635, 19.6892,
15.3560

■ 32.2836, 29.0276,
35.0021

■ 12.2410, 19.1473,
13.6394

■ 36.0664, 30.9097,
38.2505

■ 11.3470, 18.7202,
12.0740

■ 40.1978, 32.9678,
41.6860

■ 10.6631, 18.3983,
10.6553

■ 44.6864, 35.2062,
45.3115

■ 10.1676, 18.1706,
9.3784

■ 49.5409, 37.6293,
49.1300

■ 9.8478, 18.0264,
8.4282

■ 54.7695, 40.2412,
53.1444

Harmonies

Analogous

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



20.8917, 23.1599, 21.8435



20.4462, 23.1599, 23.8148



20.4134, 23.1599, 26.2931

Triad

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



20.4462, 23.1599, 23.8148



22.3853, 23.1599, 30.2109



23.2709, 23.1599, 22.0893

Complementary

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



20.4462, 23.1599, 23.8148



20.7669, 20.2263, 23.2327

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.



23.6936, 23.1599, 24.1710



20.4462, 23.1599, 23.8148



23.1733, 23.1599, 28.9216

Square

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



20.4462, 23.1599, 23.8148



21.5175, 23.1599, 30.0997



23.6574, 23.1599, 26.6736



22.5156, 23.1599, 20.8935

Rectangle

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



20.4462, 23.1599, 23.8148



20.6287, 23.1599, 27.9110



23.6574, 23.1599, 26.6736



23.4574, 23.1599, 22.7026

Sweetspot

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



20.4468, 23.1609, 23.8153



39.3467, 42.4515, 45.3671



21.1374, 23.5753, 21.2061



9.0413, 9.7962, 10.4351



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.



20.4468, 23.1609, 23.8153



35.0046, 40.3078, 40.8832



20.9757, 23.3724, 26.6002



5.0693, 5.6472, 5.8859



9.3249, 17.0625, 8.0014



0.0693, 0.1163, 0.0920

Inverse Universe

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



20.7669, 20.2263, 23.2327



35.6788, 34.1268, 39.6560



20.2769, 20.0303, 20.6522



5.1303, 5.0876, 5.7748



10.6023, 5.3510, 5.6761



0.0778, 0.0385, 0.0766

Previews

White Background



This preview shows how the XYZ color 20.4462, 23.1599, 23.8148 looks on a white background.

Color Contrast Check

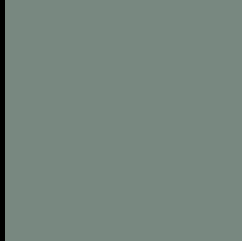
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4462, 23.1599, 23.8148 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

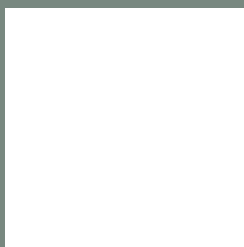
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4462, 23.1599, 23.8148

Background



This preview shows how black text looks on a background with the XYZ color 20.4462, 23.1599, 23.8148.



This preview shows how white text looks on a background with the XYZ color 20.4462, 23.1599,

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

20.4462, 23.1599, 23.8148

Protanopia

22.0355, 22.9732, 23.0115

Deuteranopia

23.6025, 23.1610, 24.3456



Tritanopia

21.7275, 23.2748, 29.7329

Trichromacy



Original Color

20.4462, 23.1599, 23.8148

Protanomaly

21.4242, 23.0532, 23.3992

Deuteranomaly

22.3953, 23.1359, 24.0542

Tritanomaly

21.2775, 23.3005, 27.4208

Monochromacy



Original Color

20.4462, 23.1599, 23.8148

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.8179, 22.5231, 24.0191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4462, 23.1599, 23.8148 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, 136, 128)` looks like.

```
.text, #text, p{  
    color:rgb(120, 136, 128)  
}
```

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, 136, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 136, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.4462, 23.1599, 23.8148 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, 136, 128) }
```


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

```
.border{ border-color:rgb(120, 136, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 136, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 136, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 136, 128);  
box-shadow:4px 4px 4px 4px rgb(120, 136,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4462, 23.1599, 23.8148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 136, 128) }
```

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

```
.background{ background-color: rgb(120,  
136, 128) }
```

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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