

Converting Colors

XYZ(20.4272, 23.9457, 28.4674)

Have a look what the booklet for
XYZ(20.4272, 23.9457, 28.4674)
contains.

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Color

**XYZ(20.4184, 23.9008,
28.3481)**

Conversions

Conversions Part 1

Format	Color
Hex	6D8C8C
RGB	109, 140, 140
RGB Percent	43%, 55%, 55%
CMY	0.5725, 0.4510, 0.4510
CMYK	0.22, 0.00, 0.00, 0.45
HSL	180°, 12%, 49%
HSV	180°, 22%, 55%
XYZ	20.4184, 23.9008, 28.3481
YIQ	130.7310, -18.4760, -6.5720

Conversions

Conversions Part 2

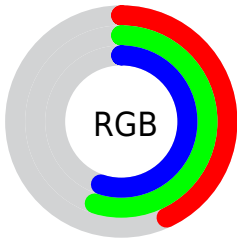
Format	Color
RYB	109, 125, 140
Decimal	7179404
CIELab	55.99, -10.84, -3.59
CIElCh	56, 11.419, 198.325
Yxy	23.9008, 0.2810, 0.3289
Android (android.graphics.Color)	4285369484 (0xFF6D8C8C)
YUV	130.7310, 4.5696, -19.0581
Hunter-Lab	48.8884, -11.0037, -0.1576

Details

The XYZ color **20.4184, 23.9008, 28.3481** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.0450, 17.6176, 16.8658**, and the grayscale version is **21.4670, 22.5849, 24.5950**.

A 20% lighter version of the original color is **43.6154, 50.0109, 57.8064**, and **7.3651, 9.0112, 11.0240** is the 20% darker color. If you saturate the color by 10%, you get **18.8316, 23.0834, 28.2741**, and if you desaturate by 10%, it is **22.2809, 24.8616, 28.4361**.

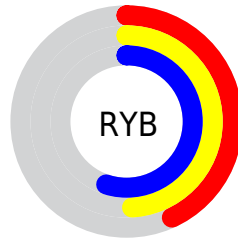
Distribution



Red (43%)

Green (55%)

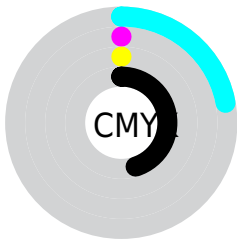
Blue (55%)



Red (43%)

Yellow (49%)

Blue (55%)

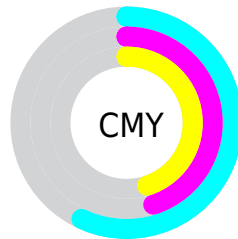


Cyan (22%)

Magenta (0%)

Yellow (0%)

Black (45%)



Cyan (57%)

Magenta (45%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4184, 23.9008, 28.3481 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 20.4184, 23.9008, 28.3481 by changing the saturation by 10% instead.

■ 20.4184, 23.9008,
28.3481

■ 20.4184, 23.9008,
28.3481

246.9619,
272.3186, 308.0907

■ 12.8096, 15.2601,
18.3469

■ 43.6162, 49.8683,
58.0695

■ 7.3736, 9.0021,
11.0273

■ 59.9358, 67.9638,
78.6268

■ 3.7453, 4.7426,
5.9708

■ 79.8898, 89.9797,
103.5398

■ 1.5590, 2.0970,
2.7588

■ 103.8434,
116.3003, 133.2272

■ 0.3655, 0.6629,
0.9729

132.1621,
147.3102, 168.1074

■ 0.0000, 0.0000,
0.0000

165.2112,

183.3935, 208.5991

203.3560,
224.9349, 255.1206

■ 20.4184, 23.9008,
28.3481

■ 20.4184, 23.9008,
28.3481

■ 18.8316, 23.0834,
28.2741

■ 22.2809, 24.8616,
28.4361

■ 17.5055, 22.3998,
28.2117

■ 24.4292, 25.9691,
28.5369

■ 16.4268, 21.8437,
28.1609

■ 26.8754, 27.2301,
28.6517

■ 15.5802, 21.4073,
28.1210

■ 29.6301, 28.6502,
28.7809

■ 14.9486, 21.0817,
28.0911

■ 32.7036, 30.2347,
28.9250

■ 14.5128, 20.8570,
28.0705

■ 36.1058, 31.9885,
29.0845

■ 14.2498, 20.7214,
28.0579

■ 39.8458, 33.9166,
29.2599

■ 14.1117, 20.6503,
28.0512

■ 43.9327, 36.0234,
29.4514

■ 48.3751, 38.3136,
29.6596

Harmonies

Analogous

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



20.3484, 23.9008, 24.5973



20.4184, 23.9008, 28.3481



21.0899, 23.9008, 31.7659

Triad

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



20.4184, 23.9008, 28.3481



24.6422, 23.9008, 31.0978



23.2283, 23.9008, 19.6046

Complementary

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



20.4184, 23.9008, 28.3481



19.0450, 17.6176, 16.8658

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.



24.4257, 23.9008, 21.0192



20.4184, 23.9008, 28.3481



25.2627, 23.9008, 27.5047

Square

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



20.4184, 23.9008, 28.3481



23.5147, 23.9008, 33.4552



25.1819, 23.9008, 23.8304



21.9376, 23.9008, 19.7836

Rectangle

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



20.4184, 23.9008, 28.3481



21.8032, 23.9008, 33.2856



25.1819, 23.9008, 23.8304



23.6560, 23.9008, 19.9035

Sweetspot

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



20.4191, 23.9018, 28.3486



41.1083, 44.7725, 50.2179



18.5096, 23.1453, 17.9605



9.4300, 10.2948, 11.5694



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.



20.4191, 23.9018, 28.3486



34.4212, 41.3252, 49.9039



18.3768, 19.8169, 27.6685



5.1728, 5.6886, 6.4312



12.5384, 18.3480, 24.9237



0.0833, 0.1219, 0.1656

Inverse Universe

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



19.0450, 17.6176, 16.8658



31.5181, 28.0481, 25.6432



20.7820, 21.0916, 17.4443



5.0329, 5.0486, 5.2617



9.6099, 4.9541, 0.4499



0.0638, 0.0329, 0.0030

Previews

White Background



This preview shows how the XYZ color 20.4184, 23.9008, 28.3481 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 20.4184, 23.9008, 28.3481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

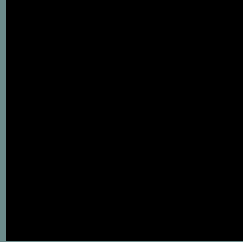
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4184, 23.9008, 28.3481

Background



This preview shows how black text looks on a background with the XYZ color 20.4184, 23.9008, 28.3481.



This preview shows how white text looks on a background with the XYZ color 20.4184, 23.9008,

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

20.4184, 23.9008, 28.3481

Protanopia

22.9848, 23.7869, 26.6724

Deuteranopia

24.1928, 23.7579, 28.9018



Tritanopia

21.2932, 24.0468, 32.3734

Trichromacy



Original Color

20.4184, 23.9008, 28.3481

Protanomaly

21.9237, 23.8501, 27.1149

Deuteranomaly

22.6929, 23.7986, 28.5968

Tritanomaly

20.8513, 23.8556, 30.6997

Monochromacy



Original Color

20.4184, 23.9008, 28.3481

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.9966, 22.9824, 25.8837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4184, 23.9008, 28.3481 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(109, 140, 140)` looks like.

```
.text, #text, p{  
    color:rgb(109, 140, 140)  
}
```

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(109, 140, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 140, 140) }
```

Border

The CSS property to change the border of an element to XYZ 20.4184, 23.9008, 28.3481 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(109, 140, 140) }
```


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

```
.border{ border-color:rgb(109, 140, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 140, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 140, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 140, 140);  
box-shadow:4px 4px 4px 4px rgb(109, 140,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4184, 23.9008, 28.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 140, 140) }
```

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

```
.background{ background-color: rgb(109,  
140, 140) }
```

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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