

Converting Colors

XYZ(20.3339, 19.5772, 23.0905)

Have a look what the booklet for
XYZ(20.3339, 19.5772, 23.0905)
contains.

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Color

**XYZ(20.3664, 19.6663,
23.1446)**

Conversions

Conversions Part 1

Format	Color
Hex	877680
RGB	135, 118, 128
RGB Percent	53%, 46%, 50%
CMY	0.4706, 0.5372, 0.4980
CMYK	0.00, 0.13, 0.05, 0.47
HSL	325°, 7%, 50%
HSV	325°, 13%, 53%
XYZ	20.3664, 19.6663, 23.1446
YIQ	124.2230, 6.9220, 6.7140

Conversions

Conversions Part 2

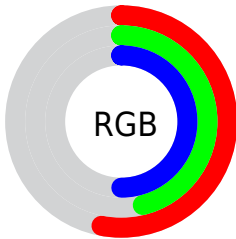
Format	Color
R_{YB}	135, 118, 128
Decimal	8877696
CIE Lab	51.46, 8.43, -3.05
CIE LCh	51, 8.970, 340.096
Yxy	19.6663, 0.3224, 0.3113
Android (android.graphics.Color)	4287067776 (0xFF877680)
YUV	124.2230, 1.8621, 9.4514
Hunter-Lab	44.3467, 4.3701, 0.0992

Details

The XYZ color **20.3664, 19.6663, 23.1446** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.8376, 22.6607, 22.7316**, and the grayscale version is **19.2254, 20.2266, 22.0268**.

A 20% lighter version of the original color is **43.4543, 42.7770, 49.6826**, and **7.3478, 6.8761, 8.3371** is the 20% darker color. If you saturate the color by 10%, you get **18.5332, 16.5693, 20.7773**, and if you desaturate by 10%, it is **22.4484, 23.2281, 25.6942**.

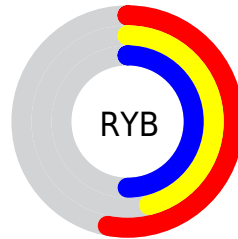
Distribution



Red (53%)

Green (46%)

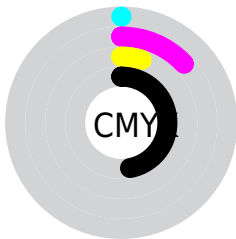
Blue (50%)



Red (53%)

Yellow (46%)

Blue (50%)

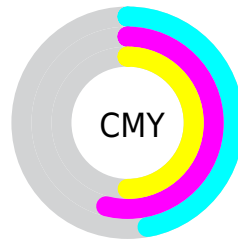


Cyan (0%)

Magenta (13%)

Yellow (5%)

Black (47%)



Cyan (47%)

Magenta (54%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3664, 19.6663, 23.1446 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 20.3664, 19.6663, 23.1446 by changing the saturation by 10% instead.

■ 20.3664, 19.6663,
23.1446

■ 20.3664, 19.6663,
23.1446

246.6877,
250.1028, 281.6128

■ 12.7715, 12.1527,
14.4940

■ 43.5299, 42.8570,
49.5569

■ 7.3473, 6.8478,
8.3224

■ 59.8292, 59.3029,
68.1556

■ 3.7285, 3.3671,
4.2112

■ 79.7606, 79.4950,
90.9075

■ 1.5497, 1.3262,
1.7419

103.6896,
103.8178, 118.2310

■ 0.3593, 0.1614,
0.3892

131.9814,
132.6555, 150.5448

■ 0.0000, 0.0000,
0.0000

165.0015,

166.3927, 188.2673

203.1152,
205.4137, 231.8171

■ 20.3664, 19.6663,
23.1446

■ 20.3664, 19.6663,
23.1446

■ 18.5332, 16.5693,
20.7773

■ 22.4484, 23.2281,
25.6942

■ 16.9371, 13.9152,
18.5863

■ 24.7867, 27.2704,
28.4295

■ 15.5680, 11.6842,
16.5667

■ 27.3909, 31.8113,
31.3554

■ 14.4145, 9.8538,
14.7131

■ 30.2694, 36.8672,
34.4762

■ 13.4641, 8.3994,
13.0196

■ 33.4301, 42.4536,
37.7959

■ 12.7028, 7.2940,
11.4798

■ 36.8809, 48.5855,
41.3186

■ 12.1149, 6.5066,
10.0868

■ 40.6290, 55.2773,
45.0481

■ 11.6820, 6.0007,
8.8324

■ 44.6817, 62.5428,
48.9882

■ 11.4178, 5.7214,
7.9769

■ 49.0458, 70.3955,
53.1424

Harmonies

Analogous

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



19.8287, 19.6663, 25.4311



20.3664, 19.6663, 23.1446



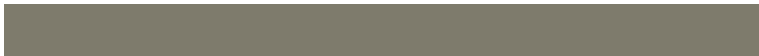
20.4476, 19.6663, 20.5565

Triad

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



20.3664, 19.6663, 23.1446



18.3906, 19.6663, 16.8967



17.3999, 19.6663, 24.7652

Complementary

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



20.3664, 19.6663, 23.1446



19.8376, 22.6607, 22.7316

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.



17.0403, 19.6663, 22.2935



20.3664, 19.6663, 23.1446



17.6001, 19.6663, 17.8426

Square

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



20.3664, 19.6663, 23.1446



19.2874, 19.6663, 17.0846



17.1124, 19.6663, 19.7705



18.1095, 19.6663, 26.4175

Rectangle

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



20.3664, 19.6663, 23.1446



20.2292, 19.6663, 19.0238



17.1124, 19.6663, 19.7705



17.2351, 19.6663, 23.9948

Sweetspot

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



20.3670, 19.6672, 23.1450



39.6126, 40.5866, 45.3075



19.2807, 19.0521, 25.5832



9.1128, 9.2947, 10.4191



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.



20.3670, 19.6672, 23.1450



35.5279, 33.6156, 40.2518



19.8428, 19.4575, 20.3848



4.7789, 4.7312, 5.4479



10.5353, 5.2784, 7.3910



0.0401, 0.0197, 0.0448

Inverse Universe

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



20.3670, 19.6672, 23.1450



35.5279, 33.6156, 40.2518



20.3902, 22.8817, 25.6414



4.7789, 4.7312, 5.4479



10.5353, 5.2784, 7.3910



0.0401, 0.0197, 0.0448

Previews

White Background



This preview shows how the XYZ color 20.3664, 19.6663, 23.1446 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 20.3664, 19.6663, 23.1446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

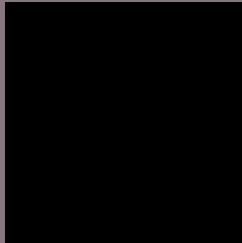
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3664, 19.6663, 23.1446

Background



This preview shows how black text looks on a background with the XYZ color 20.3664, 19.6663, 23.1446.



This preview shows how white text looks on a background with the XYZ color 20.3664, 19.6663,

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

20.3664, 19.6663, 23.1446

Protanopia

19.1572, 19.7417, 23.9199

Deuteranopia

20.0088, 19.6577, 23.1618



Tritanopia

20.3009, 19.6401, 22.7996

Trichromacy



Original Color

20.3664, 19.6663, 23.1446

Protanomaly

19.5522, 19.7717, 23.5547

Deuteranomaly

20.1660, 19.7387, 23.1692

Tritanomaly

20.3009, 19.6401, 22.7996

Monochromacy



Original Color

20.3664, 19.6663, 23.1446

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.5633, 19.9889, 22.2292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3664, 19.6663, 23.1446 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(135, 118, 128)` looks like.

```
.text, #text, p{  
    color:rgb(135, 118, 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(135, 118, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 118, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.3664, 19.6663, 23.1446 is called "border". The border property can be set on classes, ids or directly on the HTML element.

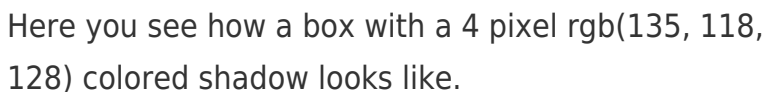
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 118, 128) }
```


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

```
.border{ border-color:rgb(135, 118, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 118, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 118, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 118, 128); box-shadow:4px 4px 4px 4px rgb(135, 118, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3664, 19.6663, 23.1446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 118, 128) }
```

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

```
.background{ background-color: rgb(135,  
118, 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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