

Converting Colors

XYZ(20.3761, 19.2671, 33.1985)

Have a look what the booklet for
XYZ(20.3761, 19.2671, 33.1985)
contains.

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Color

**XYZ(20.3624, 19.2666,
33.2175)**

Conversions

Conversions Part 1

Format	Color
Hex	7B759A
RGB	123, 117, 154
RGB Percent	48%, 46%, 60%
CMY	0.5176, 0.5412, 0.3961
CMYK	0.20, 0.24, 0.00, 0.40
HSL	250°, 15%, 53%
HSV	250°, 24%, 60%
XYZ	20.3624, 19.2666, 33.2175
YIQ	123.0120, -8.3010, 12.7790

Conversions

Conversions Part 2

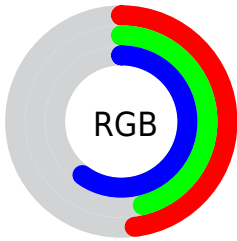
Format	Color
R _Y B	123, 117, 154
Decimal	8091034
CIE Lab	51.00, 10.40, -19.12
CIE LCh	51, 21.768, 298.532
Yxy	19.2666, 0.2795, 0.2645
Android (android.graphics.Color)	4286281114 (0xFF7B759A)
YUV	123.0120, 15.2771, -0.0105
Hunter-Lab	43.8937, 5.9925, -14.1433

Details

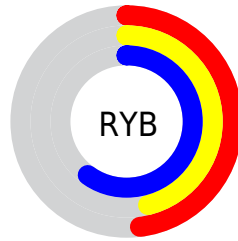
The XYZ color **20.3624, 19.2666, 33.2175** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.9798, 30.6919, 21.3326**, and the grayscale version is **18.7844, 19.7626, 21.5215**.

A 20% lighter version of the original color is **43.4776, 42.1601, 65.5207**, and **7.4003, 6.6914, 13.7335** is the 20% darker color. If you saturate the color by 10%, you get **16.9879, 15.0792, 32.5874**, and if you desaturate by 10%, it is **24.2767, 24.1713, 33.9582**.

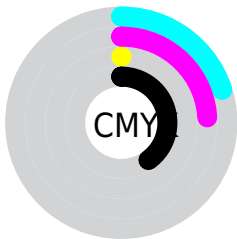
Distribution



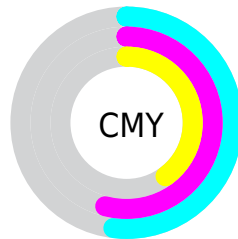
- Red (48%)
- Green (46%)
- Blue (60%)



- Red (48%)
- Yellow (46%)
- Blue (60%)



- Cyan (20%)
- Magenta (24%)
- Yellow (0%)
- Black (40%)



- Cyan (52%)
- Magenta (54%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3624, 19.2666, 33.2175 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 20.3624, 19.2666, 33.2175 by changing the saturation by 10% instead.

■ 20.3624, 19.2666,
33.2175

■ 20.3624, 19.2666,
33.2175

246.6666,
247.9166, 331.2907

■ 12.7685, 11.8631,
22.0206

■ 43.5233, 42.1841,
65.8349

■ 7.3453, 6.6505,
13.6736

■ 59.8210, 58.4669,
88.0925

■ 3.7272, 3.2445,
7.7579

■ 79.7507, 78.4782,
114.8740

■ 1.5490, 1.2607,
3.8549

103.6778,
102.6024, 146.5981

■ 0.3588, 0.1104,
1.5461

131.9675,
131.2240, 183.6833

■ 0.0000, 0.0000,
0.2519

164.9854,

■ 0.0000, 0.0000,

164.7273, 226.5481

0.0000

203.0966,
203.4967, 275.6110

■ 20.3624, 19.2666,
33.2175

■ 20.3624, 19.2666,
33.2175

■ 16.9879, 15.0792,
32.5874

■ 24.2767, 24.1713,
33.9582

■ 14.1274, 11.5732,
32.0615

■ 28.7512, 29.8226,
34.8132

■ 11.7559, 8.7128,
31.6343

■ 33.8076, 36.2507,
35.7874

■ 9.8454, 6.4582,
31.2999

■ 39.4661, 43.4837,
36.8853

■ 8.3650, 4.7650,
31.0511

■ 45.7454, 51.5481,
38.1109

■ 7.2800, 3.5827,
30.8800

■ 52.6640, 60.4693,
39.4683

■ 6.5497, 2.8510,
30.7773

■ 60.2391, 70.2716,
40.9610

■ 6.2330, 2.5394,
30.7338

■ 68.4877, 80.9783,
42.5929

■ 77.2329, 92.2263,
44.3030

Harmonies

Analogous

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



18.2065, 19.2666, 35.2075



20.3624, 19.2666, 33.2175



22.0763, 19.2666, 27.7979

Triad

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



20.3624, 19.2666, 33.2175



20.5602, 19.2666, 12.4013



14.4767, 19.2666, 20.6758

Complementary

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



20.3624, 19.2666, 33.2175



26.9798, 30.6919, 21.3326

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.



15.0025, 19.2666, 15.3762



20.3624, 19.2666, 33.2175



18.4186, 19.2666, 11.2155

Square

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



20.3624, 19.2666, 33.2175



22.1967, 19.2666, 15.8078



16.4047, 19.2666, 12.1886



14.9098, 19.2666, 27.1681

Rectangle

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



20.3624, 19.2666, 33.2175



22.6779, 19.2666, 23.4253



16.4047, 19.2666, 12.1886



14.5464, 19.2666, 18.7074

Sweetspot

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



20.3630, 19.2674, 33.2179



49.5841, 50.8272, 62.7336



23.8301, 27.4368, 34.6121



11.1230, 11.3779, 14.1803



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.3630, 19.2674, 33.2179



33.4656, 30.6160, 59.6819



23.1876, 20.7235, 33.3501



5.9732, 6.0721, 7.7862



5.0995, 2.0799, 25.0404



0.0969, 0.0418, 0.3753

Inverse Universe

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



25.0336, 21.7315, 30.8928



43.5474, 35.9385, 54.4976



23.9653, 29.1379, 21.1915



6.4182, 6.3064, 7.5823



14.0983, 6.8936, 17.5745



0.2209, 0.1071, 0.3161

Previews

White Background



This preview shows how the XYZ color 20.3624, 19.2666, 33.2175 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 20.3624, 19.2666, 33.2175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

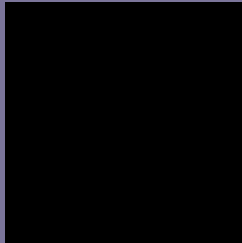
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3624, 19.2666, 33.2175

Background



This preview shows how black text looks on a background with the XYZ color 20.3624, 19.2666, 33.2175.



This preview shows how white text looks on a background with the XYZ color 20.3624, 19.2666,

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

20.3624, 19.2666, 33.2175

Protanopia

19.3993, 19.2780, 34.1511

Deuteranopia

19.7657, 19.3087, 33.2570



Tritanopia

18.5419, 19.2354, 24.2083

Trichromacy



Original Color

20.3624, 19.2666, 33.2175

Protanomaly

19.7157, 19.2732, 33.6913

Deuteranomaly

19.9189, 19.2119, 33.2303

Tritanomaly

19.1224, 19.2901, 27.1416

Monochromacy



Original Color

20.3624, 19.2666, 33.2175

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.3088, 19.6069, 25.3211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3624, 19.2666, 33.2175 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(123, 117, 154)` looks like.

```
.text, #text, p{  
    color:rgb(123, 117, 154)  
}
```

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(123, 117, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 117, 154) }
```

Border

The CSS property to change the border of an element to XYZ 20.3624, 19.2666, 33.2175 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(123, 117, 154) }
```


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

```
.border{ border-color:rgb(123, 117, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 117, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 117, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 117, 154);  
box-shadow:4px 4px 4px 4px rgb(123, 117,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3624, 19.2666, 33.2175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 117, 154) }
```

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

```
.background{ background-color: rgb(123,  
117, 154) }
```

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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