

Converting Colors

XYZ(20.4526, 19.3323, 33.5870)

Have a look what the booklet for
XYZ(20.4526, 19.3323, 33.5870)
contains.

XYZ(20.4461, 19.3001, 33.6580)	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(20.4461, 19.3001,
33.6580)**

Conversions

Conversions Part 1

Format	Color
Hex	7B759B
RGB	123, 117, 155
RGB Percent	48%, 46%, 61%
CMY	0.5176, 0.5412, 0.3922
CMYK	0.21, 0.25, 0.00, 0.39
HSL	249°, 16%, 53%
HSV	249°, 25%, 61%
XYZ	20.4461, 19.3001, 33.6580
YIQ	123.1260, -8.6220, 13.0900

Conversions

Conversions Part 2

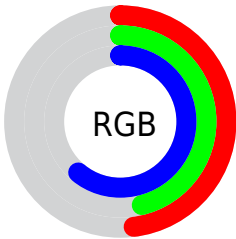
Format	Color
R_{YB}	123, 117, 155
Decimal	8091035
CIE _{Lab}	51.04, 10.64, -19.65
CIE _{LCh}	51, 22.345, 298.434
Yxy	19.3001, 0.2785, 0.2629
Android (android.graphics.Color)	4286281115 (0xFF7B759B)
YUV	123.1260, 15.7139, -0.1105
Hunter-Lab	43.9319, 6.1939, -14.6722

Details

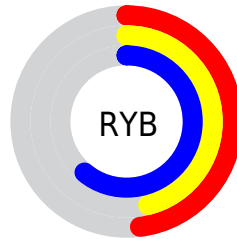
The XYZ color **20.4461, 19.3001, 33.6580** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.3272, 31.1170, 21.3963**, and the grayscale version is **18.8206, 19.8008, 21.5630**.

A 20% lighter version of the original color is **43.7253, 42.2592, 66.8250**, and **7.3745, 6.6722, 13.9959** is the 20% darker color. If you saturate the color by 10%, you get **17.0432, 15.0836, 33.0238**, and if you desaturate by 10%, it is **24.3983, 24.2446, 34.4044**.

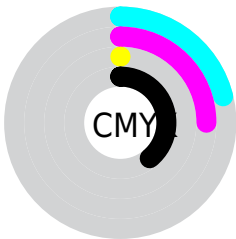
Distribution



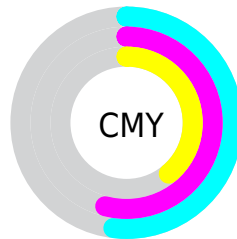
- Red (48%)
- Green (46%)
- Blue (61%)



- Red (48%)
- Yellow (46%)
- Blue (61%)



- Cyan (21%)
- Magenta (25%)
- Yellow (0%)
- Black (39%)



- Cyan (52%)
- Magenta (54%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4461, 19.3001, 33.6580 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 20.4461, 19.3001, 33.6580 by changing the saturation by 10% instead.

■ 20.4461, 19.3001,
33.6580

■ 20.4461, 19.3001,
33.6580

247.1078,
248.1005, 333.3269

■ 12.8299, 11.8873,
22.3558

■ 43.6621, 42.2406,
66.5293

■ 7.3877, 6.6670,
13.9177

■ 59.9926, 58.5371,
88.9354

■ 3.7542, 3.2547,
7.9254

■ 79.9586, 78.5636,
115.8799

■ 1.5640, 1.2661,
3.9601

103.9253,
102.7046, 147.7813

■ 0.3688, 0.1147,
1.6035

132.2583,
131.3443, 185.0582

■ 0.0000, 0.0000,
0.2933

165.3228,

■ 0.0000, 0.0000,

164.8673, 228.1290

0.0000

203.4842,
203.6579, 277.4124

■ 20.4461, 19.3001,
33.6580

■ 20.4461, 19.3001,
33.6580

■ 17.0432, 15.0836,
33.0238

■ 24.3983, 24.2446,
34.4044

■ 14.1632, 11.5583,
32.4951

■ 28.9209, 29.9470,
35.2667

■ 11.7803, 8.6876,
32.0666

■ 34.0360, 36.4381,
36.2500

■ 9.8660, 6.4309,
31.7319

■ 39.7643, 43.7466,
37.3588

■ 8.3883, 4.7425,
31.4839

■ 46.1250, 51.8996,
38.5972

■ 7.3115, 3.5707,
31.3145

■ 53.1370, 60.9230,
39.9694

■ 6.5930, 2.8524,
31.2137

■ 60.8181, 70.8416,
41.4790

■ 6.3045, 2.5666,
31.1738

■ 69.1853, 81.6791,
43.1298

■ 77.7739, 92.4955,
44.7649

Harmonies

Analogous

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



18.2281, 19.3001, 35.7047



20.4461, 19.3001, 33.6580



22.2145, 19.3001, 28.0624

Triad

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



20.4461, 19.3001, 33.6580



20.6634, 19.3001, 12.2463



14.4103, 19.3001, 20.6832

Complementary

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



20.4461, 19.3001, 33.6580



27.3272, 31.1170, 21.3963

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.



14.9517, 19.3001, 15.2581



20.4461, 19.3001, 33.6580



18.4607, 19.3001, 11.0337

Square

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



20.4461, 19.3001, 33.6580



22.3469, 19.3001, 15.7289



16.3915, 19.3001, 12.0154



14.8505, 19.3001, 27.3686

Rectangle

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



20.4461, 19.3001, 33.6580



22.8374, 19.3001, 23.5542



16.3915, 19.3001, 12.0154



14.4827, 19.3001, 18.6643

Sweetspot

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



20.4467, 19.3009, 33.6584



49.5692, 50.8195, 62.7329



24.0481, 27.7389, 35.0973



11.1194, 11.3761, 14.1801



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.



20.4467, 19.3009, 33.6584



33.4189, 30.5919, 59.6798



23.3822, 20.8142, 33.7958



5.9708, 6.0708, 7.7861



5.0861, 2.0730, 25.0398



0.0962, 0.0414, 0.3753

Inverse Universe

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



25.3042, 21.8618, 31.3204



43.5750, 35.9496, 54.6430



24.1848, 29.4971, 21.2493



6.4193, 6.3069, 7.5882



14.1337, 6.9077, 17.7611



0.2212, 0.1072, 0.3177

Previews

White Background



This preview shows how the XYZ color 20.4461, 19.3001, 33.6580 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 20.4461, 19.3001, 33.6580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

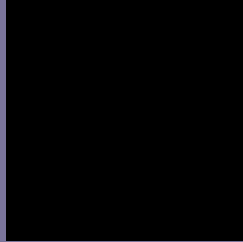
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4461, 19.3001, 33.6580

Background



This preview shows how black text looks on a background with the XYZ color 20.4461, 19.3001, 33.6580.



This preview shows how white text looks on a background with the XYZ color 20.4461, 19.3001,

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

20.4461, 19.3001, 33.6580

Protanopia

19.4844, 19.3120, 34.5989

Deuteranopia

19.7157, 19.2732, 33.6913



Tritanopia

18.5419, 19.2354, 24.2083

Trichromacy



Original Color

20.4461, 19.3001, 33.6580

Protanomaly

19.8000, 19.3070, 34.1355

Deuteranomaly

20.0026, 19.2454, 33.6708

Tritanomaly

19.1958, 19.3195, 27.5282

Monochromacy



Original Color

20.4461, 19.3001, 33.6580

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.3789, 19.6350, 25.6902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4461, 19.3001, 33.6580 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(123, 117, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 117, 155) }
```

Border

The CSS property to change the border of an element to XYZ 20.4461, 19.3001, 33.6580 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, 155) }
```


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

```
.border{ border-color:rgb(123, 117, 155) }
```

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, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 117, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 117, 155);  
box-shadow:4px 4px 4px 4px rgb(123, 117,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4461, 19.3001, 33.6580 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, 155) }
```

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

```
.background{ background-color: rgb(123,  
117, 155) }
```

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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