

Converting Colors

XYZ(19.8551, 20.0764, 33.4005)

Have a look what the booklet for
XYZ(19.8551, 20.0764, 33.4005)
contains.

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Color

**XYZ(19.8551, 20.0764,
33.4005)**

Conversions

Conversions Part 1

Format	Color
Hex	727B9A
RGB	114, 123, 154
RGB Percent	45%, 48%, 60%
CMY	0.5529, 0.5176, 0.3961
CMYK	0.26, 0.20, 0.00, 0.40
HSL	226°, 17%, 53%
HSV	226°, 26%, 60%
XYZ	19.8551, 20.0764, 33.4005
YIQ	123.8430, -15.3150, 7.7330

Conversions

Conversions Part 2

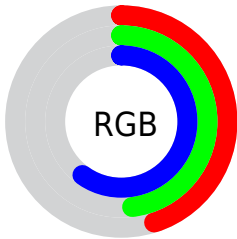
Format	Color
RYB	114, 121, 154
Decimal	7502746
CIELab	51.92, 3.90, -17.77
CIELCh	52, 18.198, 282.380
Yxy	20.0764, 0.2708, 0.2738
Android (android.graphics.Color)	4285692826 (0xFF727B9A)
YUV	123.8430, 14.8674, -8.6323
Hunter-Lab	44.8067, 0.6866, -12.8322

Details

The XYZ color **19.8551, 20.0764, 33.4005** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.4893, 28.3358, 19.9933**, and the grayscale version is **19.0622, 20.0549, 21.8398**.

A 20% lighter version of the original color is **42.6515, 43.4295, 65.8093**, and **7.0769, 7.0006, 13.8102** is the 20% darker color. If you saturate the color by 10%, you get **16.6268, 16.3471, 32.8512**, and if you desaturate by 10%, it is **23.6024, 24.3422, 34.0267**.

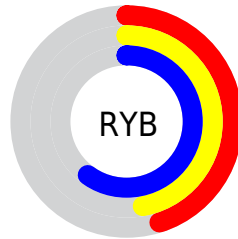
Distribution



Red (45%)

Green (48%)

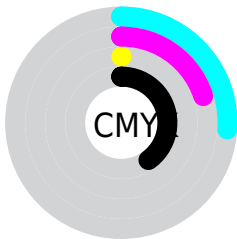
Blue (60%)



Red (45%)

Yellow (47%)

Blue (60%)

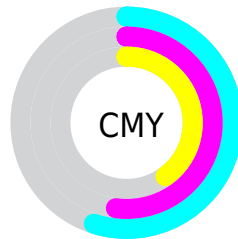


Cyan (26%)

Magenta (20%)

Yellow (0%)

Black (40%)



Cyan (55%)

Magenta (52%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8551, 20.0764, 33.4005 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 19.8551, 20.0764, 33.4005 by changing the saturation by 10% instead.

■ 19.8551, 20.0764,
33.4005

■ 19.8551, 20.0764,
33.4005

243.9781,
252.3284, 332.1378

■ 12.3974, 12.4506,
22.1598

■ 42.6799, 43.5452,
66.1235

■ 7.0891, 7.0513,
13.7749

■ 58.7777, 60.1571,
88.4429

■ 3.5647, 3.4942,
7.8273

■ 78.4863, 80.5330,
115.2923

■ 1.4589, 1.3949,
3.8985

102.1711,
105.0575, 147.0902

■ 0.2976, 0.2129,
1.5698

130.1972,
134.1148, 184.2551

■ 0.0000, 0.0000,
0.2691

162.9302,

■ 0.0000, 0.0000,

168.0895, 227.2057

0.0000

200.7354,
207.3659, 276.3604

■ 19.8551, 20.0764,
33.4005

■ 19.8551, 20.0764,
33.4005

■ 16.6268, 16.3471,
32.8512

■ 23.6024, 24.3422,
34.0267

■ 13.8924, 13.1303,
32.3744

■ 27.8888, 29.1625,
34.7312

■ 11.6272, 10.4035,
31.9674

■ 32.7353, 34.5573,
35.5171

■ 9.8037, 8.1419,
31.6270

■ 38.1615, 40.5451,
36.3868

■ 8.3916, 6.3181,
31.3494

■ 44.1859, 47.1432,
37.3429

■ 7.3561, 4.9015,
31.1306

■ 50.8262, 54.3685,
38.3875

■ 6.6511, 3.8546,
30.9656

■ 58.0993, 62.2371,
39.5230

■ 6.4237, 3.5149,
30.9121

■ 66.0215, 70.7646,
40.7514

■ 74.6086, 79.9659,
42.0749

Harmonies

Analogous

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



18.0251, 20.0764, 33.0817



19.8551, 20.0764, 33.4005



21.5823, 20.0764, 30.2845

Triad

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



19.8551, 20.0764, 33.4005



21.8330, 20.0764, 15.6852



15.8877, 20.0764, 18.9179

Complementary

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



19.8551, 20.0764, 33.4005



26.4893, 28.3358, 19.9933

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.



16.7827, 20.0764, 15.1632



19.8551, 20.0764, 33.4005



20.1795, 20.0764, 13.5148

Square

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



19.8551, 20.0764, 33.4005



22.7728, 20.0764, 19.7470



18.3293, 20.0764, 13.3405



15.8133, 20.0764, 24.1182

Rectangle

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



19.8551, 20.0764, 33.4005



22.4116, 20.0764, 26.9327



18.3293, 20.0764, 13.3405



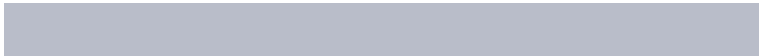
16.0997, 20.0764, 17.4676

Sweetspot

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



19.8557, 20.0772, 33.4010



48.8730, 50.9723, 62.7991



23.5806, 28.7231, 30.9552



10.8031, 11.2467, 14.1718



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.



19.8557, 20.0772, 33.4010



32.6431, 32.5272, 60.0942



20.2594, 18.7032, 33.1145



5.9917, 6.2407, 7.8177



5.2568, 2.9103, 25.1924



0.1022, 0.0907, 0.3845

Inverse Universe

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



22.9194, 20.3353, 21.4568



39.1954, 33.2470, 34.5115



25.9788, 30.1959, 20.3793



6.2629, 6.2443, 6.7646



11.1122, 5.6991, 1.8497



0.1780, 0.0900, 0.0904

Previews

White Background



This preview shows how the XYZ color 19.8551, 20.0764, 33.4005 looks on a white background.

Color Contrast Check

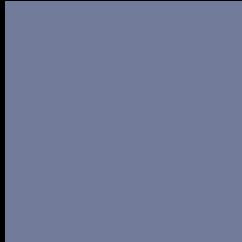
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8551, 20.0764, 33.4005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

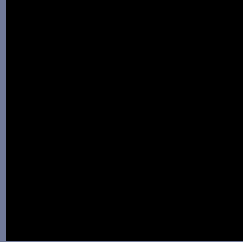
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

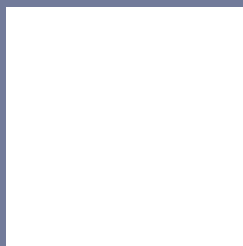
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8551, 20.0764, 33.4005

Background



This preview shows how black text looks on a background with the XYZ color 19.8551, 20.0764, 33.4005.



This preview shows how white text looks on a background with the XYZ color 19.8551, 20.0764,

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

19.8551, 20.0764, 33.4005

Protanopia

19.9947, 19.9652, 33.3717

Deuteranopia

20.4158, 20.0009, 33.3564



Tritanopia

18.3352, 20.0143, 26.1893

Trichromacy



Original Color

19.8551, 20.0764, 33.4005

Protanomaly

19.8625, 19.8970, 33.3655

Deuteranomaly

20.2635, 20.1037, 33.3843

Tritanomaly

18.8471, 20.0299, 28.8594

Monochromacy



Original Color

19.8551, 20.0764, 33.4005

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.3266, 20.1576, 25.7939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8551, 20.0764, 33.4005 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(114, 123, 154)` looks like.

```
.text, #text, p{  
    color:rgb(114, 123, 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(114, 123, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 123, 154) }
```

Border

The CSS property to change the border of an element to XYZ 19.8551, 20.0764, 33.4005 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(114, 123, 154) }
```


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

```
.border{ border-color:rgb(114, 123, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 123, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 123, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 123, 154);  
box-shadow:4px 4px 4px 4px rgb(114, 123,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8551, 20.0764, 33.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 123, 154) }
```

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

```
.background{ background-color: rgb(114,  
123, 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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