

Converting Colors

XYZ(18.7982, 19.8320, 32.0497)

Have a look what the booklet for
XYZ(18.7982, 19.8320, 32.0497)
contains.

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Color

**XYZ(18.7374, 19.7138,
32.0957)**

Conversions

Conversions Part 1

Format	Color
Hex	6A7C97
RGB	106, 124, 151
RGB Percent	42%, 49%, 59%
CMY	0.5843, 0.5137, 0.4078
CMYK	0.30, 0.18, 0.00, 0.41
HSL	216°, 18%, 50%
HSV	216°, 30%, 59%
XYZ	18.7374, 19.7138, 32.0957
YIQ	121.6960, -19.3950, 4.5810

Conversions

Conversions Part 2

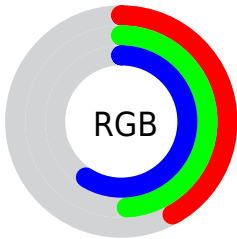
Format	Color
R_{YB}	106, 119, 151
Decimal	6978711
CIE _{Lab}	51.51, 0.00, -16.70
CIE _{LCh}	52, 16.704, 270.000
Yxy	19.7138, 0.2656, 0.2794
Android (android.graphics.Color)	4285168791 (0xFF6A7C97)
YUV	121.6960, 14.4469, -13.7654
Hunter-Lab	44.4002, -2.3714, -11.7790

Details

The XYZ color **18.7374, 19.7138, 32.0957** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.7518, 24.3952, 17.0931**, and the grayscale version is **18.3591, 19.3152, 21.0342**.

A 20% lighter version of the original color is **40.6453, 42.7275, 63.8626**, and **6.5037, 6.8221, 13.0306** is the 20% darker color. If you saturate the color by 10%, you get **16.0149, 16.7019, 31.6582**, and if you desaturate by 10%, it is **21.8815, 23.0988, 32.5837**.

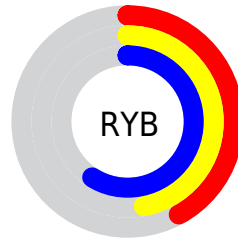
Distribution



Red (42%)

Green (49%)

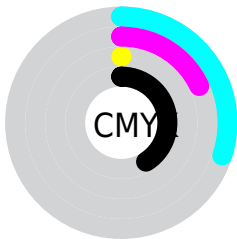
Blue (59%)



Red (42%)

Yellow (47%)

Blue (59%)

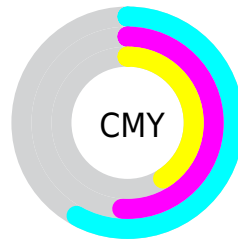


Cyan (30%)

Magenta (18%)

Yellow (0%)

Black (41%)



Cyan (58%)

Magenta (51%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7374, 19.7138, 32.0957 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 18.7374, 19.7138, 32.0957 by changing the saturation by 10% instead.

■ 18.7374, 19.7138,
32.0957

■ 18.7374, 19.7138,
32.0957

237.9612,
250.3615, 326.0611

■ 11.5836, 12.1872,
21.1692

■ 40.8102, 42.9368,
64.0607

■ 6.5310, 6.8713,
13.0553

■ 56.4599, 59.4020,
85.9363

■ 3.2142, 3.3817,
7.3354

■ 75.6722, 79.6155,
112.2987

■ 1.2680, 1.3341,
3.5911

■ 98.8126, 103.9617,
143.5664

■ 0.1591, 0.1674,
1.4038

126.2463,
132.8250, 180.1579

■ 0.0000, 0.0000,
0.1447

158.3387,

■ 0.0000, 0.0000,

166.5898, 222.4919

0.0000

195.4553,
205.6405, 270.9868

■ 18.7374, 19.7138,
32.0957

■ 18.7374, 19.7138,
32.0957

■ 16.0149, 16.7019,
31.6582

■ 21.8815, 23.0988,
32.5837

■ 13.6927, 14.0467,
31.2681

■ 25.4633, 26.8679,
33.1224

■ 11.7505, 11.7338,
30.9240

■ 29.5005, 31.0344,
33.7139

■ 10.1652, 9.7467,
30.6240

■ 34.0090, 35.6103,
34.3595

■ 8.9108, 8.0673,
30.3660

■ 39.0041, 40.6071,
35.0607

■ 7.9575, 6.6752,
30.1475

■ 44.5003, 46.0357,
35.8188

■ 7.2364, 5.5296,
29.9644

■ 50.5114, 51.9067,
36.6352

■ 7.2230, 5.5085,
29.9610

■ 57.0508, 58.2302,
37.5111

■ 64.1313, 65.0160,
38.4477

Harmonies

Analogous

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



17.1699, 19.7138, 30.5039



18.7374, 19.7138, 32.0957



20.3975, 19.7138, 30.5038

Triad

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



18.7374, 19.7138, 32.0957



21.6730, 19.7138, 17.1680



16.0795, 19.7138, 17.1681

Complementary

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



18.7374, 19.7138, 32.0957



23.7518, 24.3952, 17.0931

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.



17.1699, 19.7138, 14.4154



18.7374, 19.7138, 32.0957



20.3975, 19.7138, 14.4153

Square

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



18.7374, 19.7138, 32.0957



22.1529, 19.7138, 21.4649



18.7374, 19.7138, 13.4866



15.6923, 19.7138, 21.4650

Rectangle

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



18.7374, 19.7138, 32.0957



21.3195, 19.7138, 27.9698



18.7374, 19.7138, 13.4866



16.3726, 19.7138, 16.0560

Sweetspot

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



18.7380, 19.7146, 32.0962



46.0256, 48.5584, 59.3806



21.1929, 26.8706, 25.9896



10.2511, 10.8180, 13.4653



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.7380, 19.7146, 32.0962



30.1041, 31.5029, 56.9277



17.1398, 15.8420, 31.4329



6.0771, 6.4116, 7.8462



6.1712, 4.7391, 25.4972



0.1264, 0.1391, 0.3926

Inverse Universe

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



21.5551, 18.3432, 21.4741



36.1018, 28.9498, 34.2306



25.7460, 29.4004, 17.9541



6.3060, 6.2616, 6.9918



11.5737, 5.8837, 4.2802



0.1903, 0.0949, 0.1547

Previews

White Background



This preview shows how the XYZ color 18.7374, 19.7138, 32.0957 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 18.7374, 19.7138, 32.0957 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

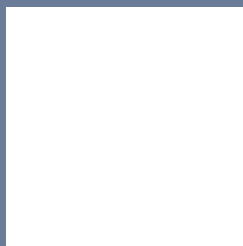
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7374, 19.7138, 32.0957

Background



This preview shows how black text looks on a background with the XYZ color 18.7374, 19.7138, 32.0957.



This preview shows how white text looks on a background with the XYZ color 18.7374, 19.7138,

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

18.7374, 19.7138, 32.0957

Protanopia

19.4646, 19.5577, 31.1829

Deuteranopia

20.1297, 19.6930, 32.4459



Tritanopia

17.6982, 19.8685, 26.5691

Trichromacy



Original Color

18.7374, 19.7138, 32.0957

Protanomaly

19.1466, 19.5658, 31.6216

Deuteranomaly

19.5751, 19.5866, 32.4546

Tritanomaly

18.0523, 19.8178, 28.4649

Monochromacy



Original Color

18.7374, 19.7138, 32.0957

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.5191, 19.5724, 24.9921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7374, 19.7138, 32.0957 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(106, 124, 151)` looks like.

```
.text, #text, p{  
    color:rgb(106, 124, 151)  
}
```

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(106, 124, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 124, 151) }
```

Border

The CSS property to change the border of an element to XYZ 18.7374, 19.7138, 32.0957 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(106, 124, 151) }
```


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

```
.border{ border-color:rgb(106, 124, 151) }
```

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

Here you see how a box with a 4 pixel rgb(106, 124, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 124, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 124, 151);  
box-shadow:4px 4px 4px 4px rgb(106, 124,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7374, 19.7138, 32.0957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 124, 151) }
```

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

```
.background{ background-color: rgb(106,  
124, 151) }
```

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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