

Converting Colors

XYZ(12.8889, 13.8270, 20.3781)

Have a look what the booklet for
XYZ(12.8889, 13.8270, 20.3781)
contains.

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Color

**XYZ(12.9813, 13.9374,
20.4183)**

Conversions

Conversions Part 1

Format	Color
Hex	5B6A7A
RGB	91, 106, 122
RGB Percent	36%, 42%, 48%
CMY	0.6431, 0.5843, 0.5216
CMYK	0.25, 0.13, 0.00, 0.52
HSL	211°, 15%, 42%
HSV	211°, 25%, 48%
XYZ	12.9813, 13.9374, 20.4183
YIQ	103.3390, -14.0760, 1.7960

Conversions

Conversions Part 2

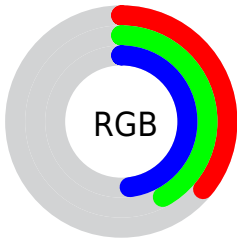
Format	Color
R_{YB}	91, 101, 122
Decimal	5991034
CIE _{Lab}	44.14, -1.75, -10.78
CIE _{LCh}	44, 10.922, 260.804
Yxy	13.9374, 0.2742, 0.2944
Android (android.graphics.Color)	4284181114 (0xFF5B6A7A)
YUV	103.3390, 9.1999, -10.8213
Hunter-Lab	37.3328, -3.2648, -6.2943

Details

The XYZ color **12.9813, 13.9374, 20.4183** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1722, 15.4083, 12.0724**, and the grayscale version is **12.9613, 13.6363, 14.8500**.

A 20% lighter version of the original color is **30.8523, 32.9207, 44.7726**, and **3.8053, 4.1444, 6.9027** is the 20% darker color. If you saturate the color by 10%, you get **11.2499, 12.1170, 20.1584**, and if you desaturate by 10%, it is **14.9568, 15.9550, 20.7039**.

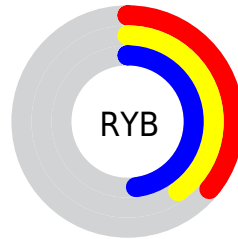
Distribution



Red (36%)

Green (42%)

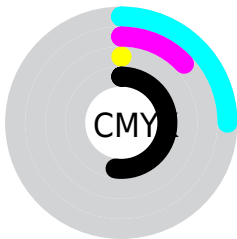
Blue (48%)



Red (36%)

Yellow (40%)

Blue (48%)

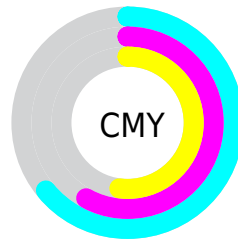


Cyan (25%)

Magenta (13%)

Yellow (0%)

Black (52%)



Cyan (64%)

Magenta (58%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9813, 13.9374, 20.4183 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 12.9813, 13.9374, 20.4183 by changing the saturation by 10% instead.

■ 12.9813, 13.9374,
20.4183

■ 12.9813, 13.9374,
20.4183

204.4378,
216.8410, 266.8495

■ 7.4926, 8.0771,
12.5124

■ 30.8718, 32.9779,
44.9855

■ 3.8211, 4.1443,
6.9669

■ 44.0043, 46.9270,
62.4839

■ 1.6014, 1.7546,
3.3633

■ 60.4154, 64.3410,
84.0169

■ 0.3933, 0.4587,
1.2830

■ 80.4705, 85.6046,
110.0030

■ 0.0000, 0.0000,
0.0478

104.5349,
111.1020, 140.8608

■ 0.0000, 0.0000,
0.0000

132.9740,

141.2176, 177.0088

166.1532,
176.3358, 218.8655

■ 12.9813, 13.9374,
20.4183

■ 12.9813, 13.9374,
20.4183

■ 11.2499, 12.1170,
20.1584

■ 14.9568, 15.9550,
20.7039

■ 9.7508, 10.4853,
19.9225

■ 17.1848, 18.1748,
21.0149

■ 8.4732, 9.0354,
19.7099

■ 19.6751, 20.6033,
21.3524

■ 7.4049, 7.7594,
19.5200

■ 22.4363, 23.2465,
21.7170

■ 6.5321, 6.6486,
19.3516

■ 25.4768, 26.1100,
22.1095

■ 5.8394, 5.6933,
19.2037

■ 28.8045, 29.1992,
22.5304

■ 5.3017, 4.8788,
19.0748

■ 32.4270, 32.5193,
22.9803

■ 5.0788, 4.5369,
19.0206

■ 36.3517, 36.0754,
23.4598

■ 40.5857, 39.8723,
23.9696

Harmonies

Analogous

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



12.2169, 13.9374, 19.2033



12.9813, 13.9374, 20.4183



13.8507, 13.9374, 20.1139

Triad

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



12.9813, 13.9374, 20.4183



14.8747, 13.9374, 13.5352



11.9914, 13.9374, 12.3422

Complementary

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



12.9813, 13.9374, 20.4183



15.1722, 15.4083, 12.0724

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.



12.6612, 13.9374, 11.1197



12.9813, 13.9374, 20.4183



14.3337, 13.9374, 11.7543

Square

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



12.9813, 13.9374, 20.4183



14.9696, 13.9374, 15.9548



13.5165, 13.9374, 10.9170



11.6620, 13.9374, 14.4220

Rectangle

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



12.9813, 13.9374, 20.4183



14.3716, 13.9374, 19.1023



13.5165, 13.9374, 10.9170



12.1828, 13.9374, 11.8274

Sweetspot

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



12.9817, 13.9380, 20.4186



29.0960, 30.8509, 36.8142



13.9018, 17.1945, 16.3589



6.5364, 6.9385, 8.4014



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.9817, 13.9380, 20.4186



21.1672, 22.7761, 35.6735



11.5687, 11.1119, 19.9476



3.9428, 4.1839, 5.0429



5.3388, 4.7600, 20.0227



24.6218, 21.0161, 95.2286

Inverse Universe

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



14.3690, 12.6607, 15.3228



24.0455, 20.2869, 25.0647



16.8741, 18.8122, 12.6397



4.0716, 4.0444, 4.5746



9.2781, 4.6874, 4.7554



43.8311, 22.1888, 20.4383

Previews

White Background



This preview shows how the XYZ color 12.9813, 13.9374, 20.4183 looks on a white 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

Black Background



This preview shows how the XYZ color 12.9813, 13.9374, 20.4183 looks on a black 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

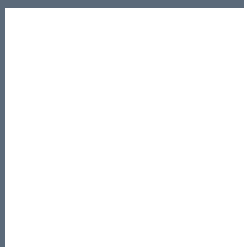
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9813, 13.9374, 20.4183

Background



This preview shows how black text looks on a background with the XYZ color 12.9813, 13.9374, 20.4183.

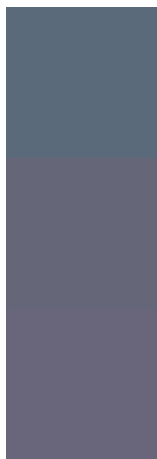


This preview shows how white text looks on a background with the XYZ color 12.9813, 13.9374,

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

12.9813, 13.9374, 20.4183

Protanopia

13.6072, 13.8233, 19.7203

Deuteranopia

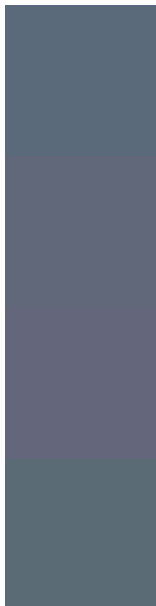
14.1522, 13.9361, 20.6829



Tritanopia

12.6265, 13.9500, 18.5501

Trichromacy



Original Color

12.9813, 13.9374, 20.4183

Protanomaly

13.3313, 13.8225, 20.0545

Deuteranomaly

13.6809, 13.8399, 20.6892

Tritanomaly

12.7442, 13.9971, 19.1696

Monochromacy



Original Color

12.9813, 13.9374, 20.4183

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9104, 13.6791, 16.7117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9813, 13.9374, 20.4183 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(91, 106, 122) looks like.

```
.text, #text, p{  
    color:rgb(91, 106, 122)  
}
```

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(91, 106, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 106, 122) }
```

Border

The CSS property to change the border of an element to XYZ 12.9813, 13.9374, 20.4183 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(91, 106, 122) }
```


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

```
.border{ border-color:rgb(91, 106, 122) }
```

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

Here you see how a box with a 4 pixel rgb(91, 106, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 106, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 106, 122);  
box-shadow:4px 4px 4px 4px rgb(91, 106,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9813, 13.9374, 20.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 106, 122) }
```

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

```
.background{ background-color: rgb(91, 106,  
122) }
```

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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