

Converting Colors

XYZ(13.1055, 13.4374, 19.9422)

Have a look what the booklet for
XYZ(13.1055, 13.4374, 19.9422)
contains.

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Color

**XYZ(13.1323, 13.4246,
19.9882)**

Conversions

Conversions Part 1

Format	Color
Hex	616679
RGB	97, 102, 121
RGB Percent	38%, 40%, 47%
CMY	0.6196, 0.6000, 0.5255
CMYK	0.20, 0.16, 0.00, 0.53
HSL	227°, 11%, 43%
HSV	227°, 20%, 47%
XYZ	13.1323, 13.4246, 19.9882
YIQ	102.6710, -9.0790, 4.8490

Conversions

Conversions Part 2

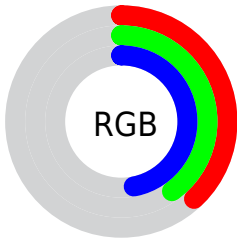
Format	Color
R_{YB}	97, 101, 121
Decimal	6383225
CIE _{Lab}	43.40, 2.47, -11.26
CIE _{LCh}	43, 11.527, 282.364
Yxy	13.4246, 0.2821, 0.2884
Android (android.graphics.Color)	4284573305 (0xFF616679)
YUV	102.6710, 9.0362, -4.9735
Hunter-Lab	36.6396, -0.1416, -6.6971

Details

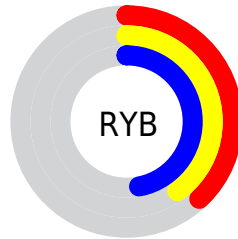
The XYZ color **13.1323, 13.4246, 19.9882** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.2883, 17.4187, 13.8132**, and the grayscale version is **12.7843, 13.4501, 14.6471**.

A 20% lighter version of the original color is **31.1468, 32.0955, 44.0886**, and **3.8513, 3.8784, 6.6765** is the 20% darker color. If you saturate the color by 10%, you get **11.0525, 11.0351, 19.6368**, and if you desaturate by 10%, it is **15.5184, 16.1342, 20.3857**.

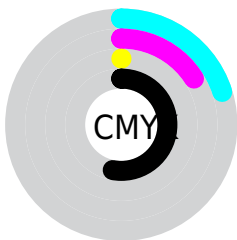
Distribution



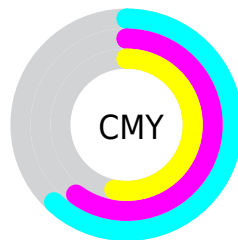
- Red (38%)
- Green (40%)
- Blue (47%)



- Red (38%)
- Yellow (40%)
- Blue (47%)



- Cyan (20%)
- Magenta (16%)
- Yellow (0%)
- Black (53%)



- Cyan (62%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1323, 13.4246, 19.9882 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 13.1323, 13.4246, 19.9882 by changing the saturation by 10% instead.

■ 13.1323, 13.4246,
19.9882

■ 13.1323, 13.4246,
19.9882

205.3843,
213.6212, 264.4534

■ 7.5973, 7.7216,
12.2025

■ 31.1406, 32.0645,
44.2561

■ 3.8880, 3.9173,
6.7575

■ 44.3446, 45.7702,
61.5754

■ 1.6390, 1.6274,
3.2348

■ 60.8356, 62.9122,
82.9096

■ 0.4176, 0.3760,
1.2157

■ 80.9791, 83.8750,
108.6772

■ 0.0000, 0.0000,
0.0000

105.1404,
109.0429, 139.2969

133.6848,

138.8003, 175.1871

166.9776,
173.5316, 216.7664

■ 13.1323, 13.4246,
19.9882

■ 13.1323, 13.4246,
19.9882

■ 11.0525, 11.0351,
19.6368

■ 15.5184, 16.1342,
20.3857

■ 9.2653, 8.9521,
19.3289

■ 18.2214, 19.1735,
20.8298

■ 7.7575, 7.1634,
19.0632

■ 21.2529, 22.5539,
21.3225

■ 6.5146, 5.6553,
18.8376

■ 24.6235, 26.2855,
21.8652

■ 5.5207, 4.4132,
18.6502

■ 28.3435, 30.3783,
22.4591

■ 4.7581, 3.4208,
18.4989

■ 32.4225, 34.8416,
23.1056

■ 4.2067, 2.6601,
18.3811

■ 36.8698, 39.6845,
23.8060

■ 3.8094, 2.0932,
18.2926

■ 41.6946, 44.9158,
24.5614

■ 3.8035, 2.0850,
18.2913

■ 46.9054, 50.5440,
25.3731

Harmonies

Analogous

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



12.2446, 13.4246, 19.8438



13.1323, 13.4246, 19.9882



13.9566, 13.4246, 18.5759

Triad

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



13.1323, 13.4246, 19.9882



14.0760, 13.4246, 11.5369



11.1866, 13.4246, 13.1721

Complementary

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



13.1323, 13.4246, 19.9882



16.2883, 17.4187, 13.8132

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.



11.6332, 13.4246, 11.2649



13.1323, 13.4246, 19.9882



13.2890, 13.4246, 10.3996

Square

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



13.1323, 13.4246, 19.9882



14.5183, 13.4246, 13.5854



12.3942, 13.4246, 10.3063



11.1491, 13.4246, 15.6997

Rectangle

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



13.1323, 13.4246, 19.9882



14.3483, 13.4246, 17.0283



12.3942, 13.4246, 10.3063



11.2929, 13.4246, 12.4450

Sweetspot

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



13.1327, 13.4251, 19.9885



29.5051, 30.8271, 36.7880



14.9081, 17.4727, 19.0491



6.6938, 6.9894, 8.4030



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.



13.1327, 13.4251, 19.9885



21.6750, 21.9311, 35.4836



13.4119, 12.8612, 19.8649



3.8591, 4.0165, 5.0150



4.0687, 2.2199, 19.5993



18.8974, 9.5675, 93.3205

Inverse Universe

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



14.5584, 13.5739, 14.4237



24.7559, 22.3099, 23.4454



15.9607, 18.1289, 13.9675



4.0293, 4.0275, 4.3521



8.6370, 4.4310, 1.3796



40.9417, 21.0330, 5.2231

Previews

White Background



This preview shows how the XYZ color 13.1323, 13.4246, 19.9882 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 13.1323, 13.4246, 19.9882 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

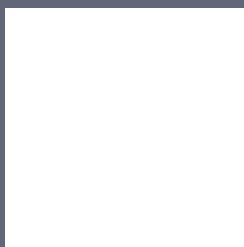
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1323, 13.4246, 19.9882

Background



This preview shows how black text looks on a background with the XYZ color 13.1323, 13.4246, 19.9882.

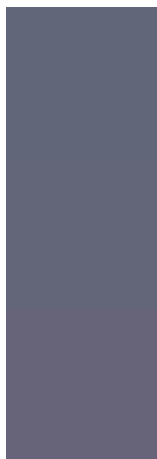


This preview shows how white text looks on a background with the XYZ color 13.1323, 13.4246,

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

13.1323, 13.4246, 19.9882

Protanopia

13.3482, 13.5359, 19.9983

Deuteranopia

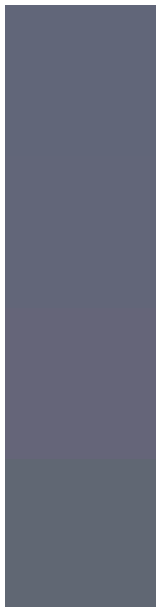
13.6019, 13.3784, 19.9545



Tritanopia

12.5943, 13.5034, 17.2719

Trichromacy



Original Color

13.1323, 13.4246, 19.9882

Protanomaly

13.2396, 13.4799, 19.9932

Deuteranomaly

13.4717, 13.4545, 19.9761

Tritanomaly

12.7686, 13.4251, 18.1380

Monochromacy



Original Color

13.1323, 13.4246, 19.9882

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.0315, 13.5930, 16.6887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1323, 13.4246, 19.9882 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(97, 102, 121) looks like.

```
.text, #text, p{  
    color:rgb(97, 102, 121)  
}
```

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(97, 102, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 102, 121) }
```

Border

The CSS property to change the border of an element to XYZ 13.1323, 13.4246, 19.9882 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(97, 102, 121) }
```


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

```
.border{ border-color:rgb(97, 102, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 102, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 102, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 102, 121);  
box-shadow:4px 4px 4px 4px rgb(97, 102,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1323, 13.4246, 19.9882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 102, 121) }
```

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

```
.background{ background-color: rgb(97, 102,  
121) }
```

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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