

Converting Colors

XYZ(13.0892, 13.1578, 19.2172)

Have a look what the booklet for
XYZ(13.0892, 13.1578, 19.2172)
contains.

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Color

**XYZ(13.0325, 13.0989,
19.2942)**

Conversions

Conversions Part 1

Format	Color
Hex	636477
RGB	99, 100, 119
RGB Percent	39%, 39%, 47%
CMY	0.6118, 0.6078, 0.5333
CMYK	0.17, 0.16, 0.00, 0.53
HSL	237°, 9%, 43%
HSV	237°, 17%, 47%
XYZ	13.0325, 13.0989, 19.2942
YIQ	101.8670, -6.6950, 5.6970

Conversions

Conversions Part 2

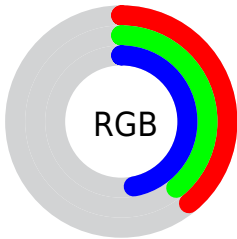
Format	Color
R_{YB}	99, 100, 119
Decimal	6513783
CIE Lab	42.91, 3.90, -10.76
CIE LCh	43, 11.448, 289.913
Yxy	13.0989, 0.2869, 0.2884
Android (android.graphics.Color)	4284703863 (0xFF636477)
YUV	101.8670, 8.4466, -2.5144
Hunter-Lab	36.1924, 0.9393, -6.2729

Details

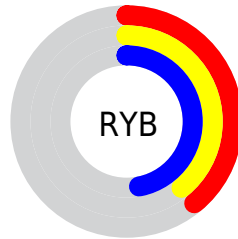
The XYZ color **13.0325, 13.0989, 19.2942** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3383, 17.7795, 14.3752**, and the grayscale version is **12.5748, 13.2297, 14.4071**.

A 20% lighter version of the original color is **30.9950, 31.5575, 42.9857**, and **3.8266, 3.7312, 6.4797** is the 20% darker color. If you saturate the color by 10%, you get **10.8170, 10.4577, 18.9014**, and if you desaturate by 10%, it is **15.5908, 16.1409, 19.7467**.

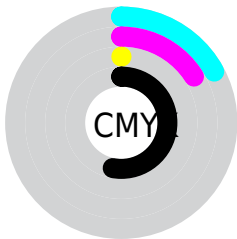
Distribution



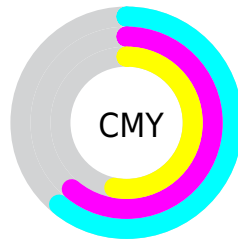
- Red (39%)
- Green (39%)
- Blue (47%)



- Red (39%)
- Yellow (39%)
- Blue (47%)



- Cyan (17%)
- Magenta (16%)
- Yellow (0%)
- Black (53%)



- Cyan (61%)
- Magenta (61%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0325, 13.0989, 19.2942 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 13.0325, 13.0989, 19.2942 by changing the saturation by 10% instead.

■ 13.0325, 13.0989,
19.2942

■ 13.0325, 13.0989,
19.2942

204.7592,
211.5505, 260.5448

■ 7.5281, 7.4967,
11.7041

■ 30.9630, 31.4813,
43.0739

■ 3.8437, 3.7746,
6.4224

■ 44.1197, 45.0304,
60.1007

■ 1.6141, 1.5483,
3.0307

■ 60.5580, 61.9971,
81.1100

■ 0.4016, 0.3224,
1.1103

■ 80.6431, 82.7660,
106.5205

■ 0.0000, 0.0000,
0.0000

104.7405,
107.7214, 136.7506

133.2153,

137.2477, 172.2191

166.4332,
171.7292, 213.3443

■ 13.0325, 13.0989,
19.2942

■ 13.0325, 13.0989,
19.2942

■ 10.8170, 10.4577,
18.9014

■ 15.5908, 16.1409,
19.7467

■ 8.9287, 8.1990,
18.5649

■ 18.5045, 19.5977,
20.2604

■ 7.3525, 6.3056,
18.2825

■ 21.7868, 23.4847,
20.8377

■ 6.0714, 4.7583,
18.0514

■ 25.4499, 27.8159,
21.4806

■ 5.0671, 3.5361,
17.8684

■ 29.5055, 32.6047,
22.1912

■ 4.3192, 2.6158,
17.7302

■ 33.9649, 37.8641,
22.9713

■ 3.8043, 1.9712,
17.6329

■ 38.8388, 43.6064,
23.8228

■ 3.4813, 1.5642,
17.5714

■ 44.1375, 49.8436,
24.7474

■ 3.3945, 1.4613,
17.5561

■ 49.8709, 56.5870,
25.7469

Harmonies

Analogous

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



12.1575, 13.0989, 19.5569



13.0325, 13.0989, 19.2942



13.7834, 13.0989, 17.5988

Triad

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



13.0325, 13.0989, 19.2942



13.5662, 13.0989, 10.8819



10.8647, 13.0989, 13.4344

Complementary

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



13.0325, 13.0989, 19.2942



16.3383, 17.7795, 14.3752

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.



11.2057, 13.0989, 11.3769



13.0325, 13.0989, 19.2942



12.7474, 13.0989, 10.0218

Square

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



13.0325, 13.0989, 19.2942



14.1014, 13.0989, 12.6822



11.8853, 13.0989, 10.1918



10.9330, 13.0989, 15.9689

Rectangle

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



13.0325, 13.0989, 19.2942



14.0995, 13.0989, 15.9837



11.8853, 13.0989, 10.1918



10.9346, 13.0989, 12.6695

Sweetspot

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



13.0329, 13.0994, 19.2945



28.7497, 29.8905, 35.5072



14.9929, 17.1466, 19.5555



6.7461, 7.0039, 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.



13.0329, 13.0994, 19.2945



21.7992, 21.6242, 34.2780



13.9357, 13.4231, 19.3094



3.5140, 3.6166, 4.6031



3.6042, 1.5482, 18.6514



17.3775, 7.1715, 90.8286

Inverse Universe

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



14.3701, 13.7660, 13.9569



24.6521, 23.0553, 22.8888



15.3211, 17.4311, 14.3616



3.6907, 3.7036, 3.8980



8.1164, 4.1803, 0.5551



39.4581, 20.3333, 2.2097

Previews

White Background



This preview shows how the XYZ color 13.0325, 13.0989, 19.2942 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 13.0325, 13.0989, 19.2942 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

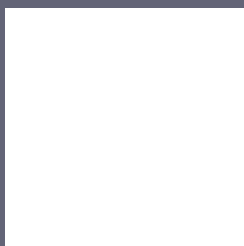
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0325, 13.0989, 19.2942

Background



This preview shows how black text looks on a background with the XYZ color 13.0325, 13.0989, 19.2942.



This preview shows how white text looks on a background with the XYZ color 13.0325, 13.0989,

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

13.0325, 13.0989, 19.2942

Protanopia

12.9239, 13.0429, 19.2891

Deuteranopia

13.2711, 13.0804, 19.2781



Tritanopia

12.4956, 13.1699, 16.6353

Trichromacy



Original Color

13.0325, 13.0989, 19.2942

Protanomaly

12.9239, 13.0429, 19.2891

Deuteranomaly

13.1584, 13.0223, 19.2728

Tritanomaly

12.6713, 13.0963, 17.4828

Monochromacy



Original Color

13.0325, 13.0989, 19.2942

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7273, 13.1568, 16.0561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0325, 13.0989, 19.2942 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(99, 100, 119) looks like.

```
.text, #text, p{  
    color:rgb(99, 100, 119)  
}
```

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(99, 100, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 100, 119) }
```

Border

The CSS property to change the border of an element to XYZ 13.0325, 13.0989, 19.2942 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(99, 100, 119) }
```


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

```
.border{ border-color:rgb(99, 100, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 100, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 100, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 100, 119);  
box-shadow:4px 4px 4px 4px rgb(99, 100,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0325, 13.0989, 19.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 100, 119) }
```

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

```
.background{ background-color: rgb(99, 100,  
119) }
```

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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