

Converting Colors

XYZ(13.2229, 13.4406, 20.0442)

Have a look what the booklet for
XYZ(13.2229, 13.4406, 20.0442)
contains.

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Color

**XYZ(13.2396, 13.4799,
19.9932)**

Conversions

Conversions Part 1

Format	Color
Hex	626679
RGB	98, 102, 121
RGB Percent	38%, 40%, 47%
CMY	0.6157, 0.6000, 0.5255
CMYK	0.19, 0.16, 0.00, 0.53
HSL	230°, 11%, 43%
HSV	230°, 19%, 47%
XYZ	13.2396, 13.4799, 19.9932
YIQ	102.9700, -8.4830, 5.0610

Conversions

Conversions Part 2

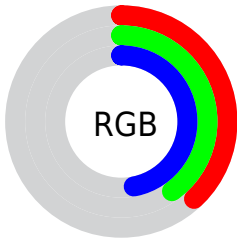
Format	Color
R_{YB}	98, 101, 121
Decimal	6448761
CIE Lab	43.48, 2.82, -11.13
CIE LCh	43, 11.480, 284.216
Yxy	13.4799, 0.2834, 0.2886
Android (android.graphics.Color)	4284638841 (0xFF626679)
YUV	102.9700, 8.8888, -4.3587
Hunter-Lab	36.7150, 0.1167, -6.5860

Details

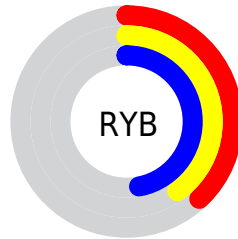
The XYZ color **13.2396, 13.4799, 19.9932** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.4512, 17.6694, 14.0992**, and the grayscale version is **12.8634, 13.5333, 14.7378**.

A 20% lighter version of the original color is **31.3285, 32.1892, 44.0971**, and **3.9011, 3.9041, 6.6788** is the 20% darker color. If you saturate the color by 10%, you get **11.1077, 11.0098, 19.6290**, and if you desaturate by 10%, it is **15.6882, 16.2898, 20.4067**.

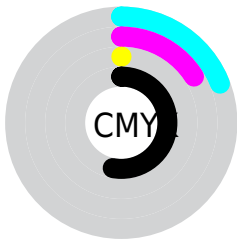
Distribution



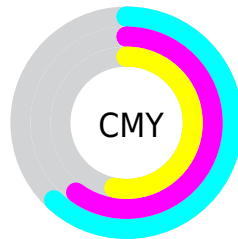
- Red (38%)
- Green (40%)
- Blue (47%)



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



- Cyan (19%)
- Magenta (16%)
- Yellow (0%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2396, 13.4799, 19.9932 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 13.2396, 13.4799, 19.9932 by changing the saturation by 10% instead.

■ 13.2396, 13.4799,
19.9932

■ 13.2396, 13.4799,
19.9932

206.0543,
213.9708, 264.4813

■ 7.6719, 7.7598,
12.2061

■ 31.3312, 32.1633,
44.2646

■ 3.9357, 3.9417,
6.7599

■ 44.5859, 45.8954,
61.5860

■ 1.6658, 1.6410,
3.2363

■ 61.1335, 63.0670,
82.9225

■ 0.4347, 0.3850,
1.2165

■ 81.3395, 84.0624,
108.6927

■ 0.0000, 0.0000,
0.0000

105.5692,
109.2662, 139.3151

134.1880,

139.0625, 175.2084

167.5613,
173.8359, 216.7909

■ 13.2396, 13.4799,
19.9932

■ 13.2396, 13.4799,
19.9932

■ 11.1077, 11.0098,
19.6290

■ 15.6882, 16.2898,
20.4067

■ 9.2782, 8.8648,
19.3114

■ 18.4645, 19.4501,
20.8704

■ 7.7376, 7.0319,
19.0388

■ 21.5806, 22.9730,
21.3862

■ 6.4708, 5.4961,
18.8091

■ 25.0474, 26.8695,
21.9555

■ 5.4614, 4.2414,
18.6202

■ 28.8755, 31.1502,
22.5800

■ 4.6911, 3.2504,
18.4695

■ 33.0750, 35.8253,
23.2611

■ 4.1391, 2.5033,
18.3544

■ 37.6556, 40.9047,
24.0001

■ 3.7539, 1.9636,
18.2705

■ 42.6265, 46.3977,
24.7983

■ 3.7203, 1.9186,
18.2636

■ 47.9969, 52.3135,
25.6572

Harmonies

Analogous

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



12.3497, 13.4799, 19.9503



13.2396, 13.4799, 19.9932



14.0504, 13.4799, 18.5014

Triad

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



13.2396, 13.4799, 19.9932



14.0859, 13.4799, 11.5011



11.2263, 13.4799, 13.3769

Complementary

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



13.2396, 13.4799, 19.9932



16.4512, 17.6694, 14.0992

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.



11.6490, 13.4799, 11.4202



13.2396, 13.4799, 19.9932



13.2862, 13.4799, 10.4264

Square

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



13.2396, 13.4799, 19.9932



14.5542, 13.4799, 13.4997



12.3942, 13.4799, 10.3986



11.2151, 13.4799, 15.9215

Rectangle

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



13.2396, 13.4799, 19.9932



14.4254, 13.4799, 16.9277



12.3942, 13.4799, 10.3986



11.3240, 13.4799, 12.6358

Sweetspot

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



13.2400, 13.4805, 19.9935



29.4528, 30.7224, 36.7706



15.0728, 17.5509, 19.3564



6.6809, 6.9637, 8.3987



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.



13.2400, 13.4805, 19.9935



21.8963, 22.0450, 35.4940



13.6783, 13.1367, 19.9041



3.8488, 3.9959, 5.0116



3.9803, 2.0431, 19.5699



18.5395, 8.8517, 93.2012

Inverse Universe

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



14.6515, 13.7600, 14.4547



24.9479, 22.6940, 23.5090



15.9449, 18.1153, 14.2119



4.0241, 4.0254, 4.3248



8.5924, 4.4131, 1.1446



40.7610, 20.9608, 4.2718

Previews

White Background



This preview shows how the XYZ color 13.2396, 13.4799, 19.9932 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 13.2396, 13.4799, 19.9932 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

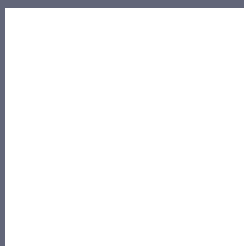
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2396, 13.4799, 19.9932

Background



This preview shows how black text looks on a background with the XYZ color 13.2396, 13.4799, 19.9932.



This preview shows how white text looks on a background with the XYZ color 13.2396, 13.4799,

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

13.2396, 13.4799, 19.9932

Protanopia

13.3482, 13.5359, 19.9983

Deuteranopia

13.6019, 13.3784, 19.9545



Tritanopia

12.6988, 13.5573, 17.2768

Trichromacy



Original Color

13.2396, 13.4799, 19.9932

Protanomaly

13.3482, 13.5359, 19.9983

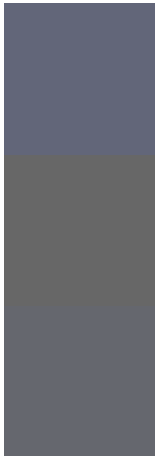
Deuteranomaly

13.4717, 13.4545, 19.9761

Tritanomaly

12.8745, 13.4797, 18.1429

Monochromacy



Original Color

13.2396, 13.4799, 19.9932

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 13.2396, 13.4799, 19.9932 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(98, 102, 121) looks like.

```
.text, #text, p{  
    color:rgb(98, 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(98, 102, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 102, 121) }
```

Border

The CSS property to change the border of an element to XYZ 13.2396, 13.4799, 19.9932 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(98, 102, 121) }
```


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

```
.border{ border-color:rgb(98, 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(98, 102, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 102, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 102, 121);  
box-shadow:4px 4px 4px 4px rgb(98, 102,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2396, 13.4799, 19.9932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 102, 121) }
```

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

```
.background{ background-color: rgb(98, 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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