

Converting Colors

XYZ(13.5609, 13.1561, 20.0686)

Have a look what the booklet for
XYZ(13.5609, 13.1561, 20.0686)
contains.

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Color

**XYZ(13.6220, 13.2472,
19.9282)**

Conversions

Conversions Part 1

Format	Color
Hex	686379
RGB	104, 99, 121
RGB Percent	41%, 39%, 47%
CMY	0.5921, 0.6118, 0.5255
CMYK	0.14, 0.18, 0.00, 0.53
HSL	254°, 10%, 43%
HSV	254°, 18%, 47%
XYZ	13.6220, 13.2472, 19.9282
YIQ	103.0030, -4.0820, 7.9020

Conversions

Conversions Part 2

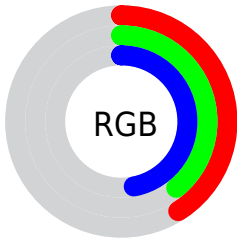
Format	Color
R_{YB}	104, 99, 121
Decimal	6841209
CIE _{Lab}	43.13, 6.77, -11.60
CIE _{LCh}	43, 13.433, 300.289
Yxy	13.2472, 0.2911, 0.2831
Android (android.graphics.Color)	4285031289 (0xFF686379)
YUV	103.0030, 8.8725, 0.8744
Hunter-Lab	36.3967, 3.1120, -6.9852

Details

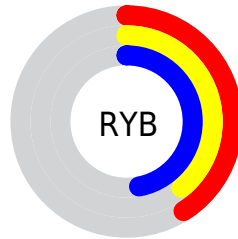
The XYZ color **13.6220, 13.2472, 19.9282** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.2923, 18.2889, 14.4763**, and the grayscale version is **12.8713, 13.5416, 14.7468**.

A 20% lighter version of the original color is **31.9667, 31.7984, 43.9880**, and **4.1301, 3.8839, 6.6629** is the 20% darker color. If you saturate the color by 10%, you get **11.5347, 10.5953, 19.5266**, and if you desaturate by 10%, it is **16.0023, 16.3058, 20.3933**.

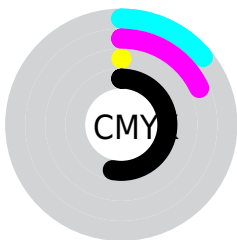
Distribution



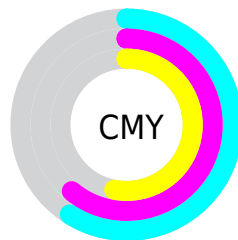
- Red (41%)
- Green (39%)
- Blue (47%)



- Red (41%)
- Yellow (39%)
- Blue (47%)



- Cyan (14%)
- Magenta (18%)
- Yellow (0%)
- Black (53%)



- Cyan (59%)
- Magenta (61%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6220, 13.2472, 19.9282 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 13.6220, 13.2472, 19.9282 by changing the saturation by 10% instead.

■ 13.6220, 13.2472,
19.9282

■ 13.6220, 13.2472,
19.9282

208.4244,
212.4959, 264.1175

■ 7.9382, 7.5990,
12.1593

■ 32.0087, 31.7472,
44.1542

■ 4.1069, 3.8394,
6.7284

■ 45.4423, 45.3677,
61.4483

■ 1.7628, 1.5842,
3.2170

■ 62.1898, 62.4145,
82.7546

■ 0.4951, 0.3469,
1.2065

■ 82.6167, 83.2720,
108.4916

■ 0.0000, 0.0000,
0.0000

107.0882,
108.3244, 139.0779

135.9698,

137.9563, 174.9319

169.6268,
172.5520, 216.4723

■ 13.6220, 13.2472,
19.9282

■ 13.6220, 13.2472,
19.9282

■ 11.5347, 10.5953,
19.5266

■ 16.0023, 16.3058,
20.3933

■ 9.7277, 8.3313,
19.1848

■ 18.6851, 19.7857,
20.9236

■ 8.1889, 6.4371,
18.9003

■ 21.6813, 23.7027,
21.5217

■ 6.9052, 4.8928,
18.6699

■ 25.0007, 28.0714,
22.1900

■ 5.8622, 3.6763,
18.4900

■ 28.6526, 32.9056,
22.9307

■ 5.0439, 2.7632,
18.3569

■ 32.6459, 38.2187,
23.7457

■ 4.4322, 2.1254,
18.2660

■ 36.9895, 44.0233,
24.6372

■ 3.9875, 1.6924,
18.2059

■ 41.6915, 50.3317,
25.6070

■ 3.9166, 1.6204,
18.1957

■ 46.7601, 57.1557,
26.6570

Harmonies

Analogous

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



12.6011, 13.2472, 20.9092



13.6220, 13.2472, 19.9282



14.4004, 13.2472, 17.4382

Triad

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



13.6220, 13.2472, 19.9282



13.6037, 13.2472, 10.0173



10.7035, 13.2472, 14.4527

Complementary

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



13.6220, 13.2472, 19.9282



16.2923, 18.2889, 14.4763

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.



10.9400, 13.2472, 11.7788



13.6220, 13.2472, 19.9282



12.5810, 13.2472, 9.4410

Square

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



13.6220, 13.2472, 19.9282



14.3894, 13.2472, 11.7354



11.6135, 13.2472, 10.0398



10.9492, 13.2472, 17.4947

Rectangle

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



13.6220, 13.2472, 19.9282



14.6569, 13.2472, 15.4072



11.6135, 13.2472, 10.0398



10.7291, 13.2472, 13.4835

Sweetspot

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



13.6224, 13.2478, 19.9285



30.0650, 31.0216, 36.7961



14.8695, 16.5782, 20.5056



6.8143, 7.0153, 8.4016



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.



13.6224, 13.2478, 19.9285



22.6973, 21.5601, 35.3581



14.9530, 13.9337, 19.9908



3.8750, 3.9335, 4.9982



4.1883, 1.7319, 19.4988



19.3508, 7.9377, 92.9820

Inverse Universe

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



15.4998, 14.2501, 18.4570



26.7635, 23.7325, 32.1069



14.9431, 17.5933, 14.4132



4.1174, 4.0627, 4.8157



10.5870, 5.2110, 11.6481



50.1670, 24.7231, 53.8029

Previews

White Background



This preview shows how the XYZ color 13.6220, 13.2472, 19.9282 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 13.6220, 13.2472, 19.9282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

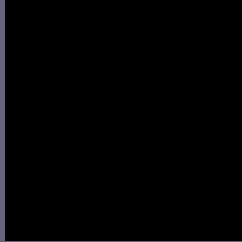
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6220, 13.2472, 19.9282

Background



This preview shows how black text looks on a background with the XYZ color 13.6220, 13.2472, 19.9282.



This preview shows how white text looks on a background with the XYZ color 13.6220, 13.2472,

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

13.6220, 13.2472, 19.9282

Protanopia

13.0963, 13.2539, 20.2804

Deuteranopia

13.4879, 13.3196, 19.9492



Tritanopia

12.8935, 13.2363, 16.3433

Trichromacy



Original Color

13.6220, 13.2472, 19.9282

Protanomaly

13.3256, 13.2288, 20.2634

Deuteranomaly

13.6019, 13.3784, 19.9545

Tritanomaly

13.1313, 13.1902, 17.4766

Monochromacy



Original Color

13.6220, 13.2472, 19.9282

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.1594, 13.5121, 16.6664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6220, 13.2472, 19.9282 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(104, 99, 121)` looks like.

```
.text, #text, p{  
    color:rgb(104, 99, 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(104, 99, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 99, 121) }
```

Border

The CSS property to change the border of an element to XYZ 13.6220, 13.2472, 19.9282 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(104, 99, 121) }
```


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

```
.border{ border-color:rgb(104, 99, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 99, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 99, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 99, 121);  
box-shadow:4px 4px 4px 4px rgb(104, 99,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6220, 13.2472, 19.9282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 99, 121) }
```

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

```
.background{ background-color: rgb(104, 99,  
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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