

Converting Colors

XYZ(13.6225, 13.2962, 20.2090)

Have a look what the booklet for
XYZ(13.6225, 13.2962, 20.2090)
contains.

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Color

**XYZ(13.5682, 13.2124,
20.2475)**

Conversions

Conversions Part 1

Format	Color
Hex	67637A
RGB	103, 99, 122
RGB Percent	40%, 39%, 48%
CMY	0.5961, 0.6118, 0.5216
CMYK	0.16, 0.19, 0.00, 0.52
HSL	250°, 10%, 43%
HSV	250°, 19%, 48%
XYZ	13.5682, 13.2124, 20.2475
YIQ	102.8180, -4.9990, 8.0010

Conversions

Conversions Part 2

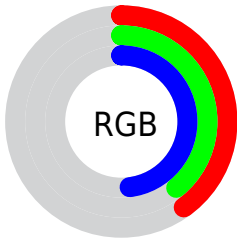
Format	Color
R_{YB}	103, 99, 122
Decimal	6775674
CIE Lab	43.08, 6.65, -12.29
CIE LCh	43, 13.977, 298.426
Yxy	13.2124, 0.2885, 0.2809
Android (android.graphics.Color)	4284965754 (0xFF67637A)
YUV	102.8180, 9.4567, 0.1596
Hunter-Lab	36.3489, 3.0195, -7.5823

Details

The XYZ color **13.5682, 13.2124, 20.2475** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6834, 18.6719, 14.5297**, and the grayscale version is **12.8212, 13.4889, 14.6894**.

A 20% lighter version of the original color is **31.8728, 31.7387, 44.4907**, and **4.1066, 3.8680, 6.8335** is the 20% darker color. If you saturate the color by 10%, you get **11.4114, 10.5127, 19.8403**, and if you desaturate by 10%, it is **16.0398, 16.3343, 20.7200**.

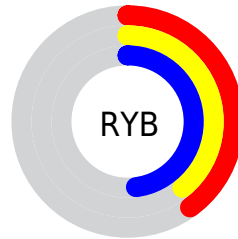
Distribution



Red (40%)

Green (39%)

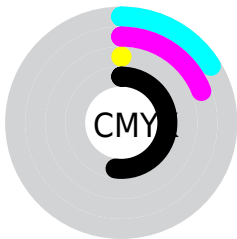
Blue (48%)



Red (40%)

Yellow (39%)

Blue (48%)

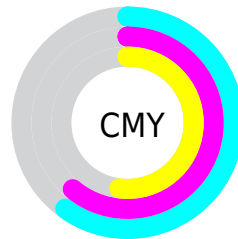


Cyan (16%)

Magenta (19%)

Yellow (0%)

Black (52%)



Cyan (60%)

Magenta (61%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5682, 13.2124, 20.2475 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 13.5682, 13.2124, 20.2475 by changing the saturation by 10% instead.

■ 13.5682, 13.2124,
20.2475

■ 13.5682, 13.2124,
20.2475

208.0926,
212.2745, 265.9003

■ 7.9006, 7.5750,
12.3892

■ 31.9136, 31.6848,
44.6962

■ 4.0827, 3.8242,
6.8836

■ 45.3221, 45.2886,
62.1236

■ 1.7490, 1.5757,
3.3121

■ 62.0417, 62.3167,
83.5779

■ 0.4867, 0.3411,
1.2561

■ 82.4377, 83.1534,
109.4775

■ 0.0000, 0.0000,
0.0254

106.8754,
108.1831, 140.2410

■ 0.0000, 0.0000,
0.0000

135.7202,

137.7903, 176.2869

169.3375,
172.3593, 218.0338

■ 13.5682, 13.2124,
20.2475

■ 13.5682, 13.2124,
20.2475

■ 11.4114, 10.5127,
19.8403

■ 16.0398, 16.3343,
20.7200

■ 9.5555, 8.2154,
19.4947

■ 18.8371, 19.8939,
21.2597

■ 7.9873, 6.3016,
19.2079

■ 21.9717, 23.9077,
21.8692

■ 6.6920, 4.7501,
18.9767

■ 25.4545, 28.3911,
22.5510

■ 5.6537, 3.5378,
18.7975

■ 29.2959, 33.3587,
23.3074

■ 4.8545, 2.6386,
18.6660

■ 33.5058, 38.8243,
24.1405

■ 4.2743, 2.0229,
18.5778

■ 38.0936, 44.8014,
25.0524

■ 3.8672, 1.6104,
18.5196

■ 43.0685, 51.3027,
26.0451

■ 3.8266, 1.5669,
18.5133

■ 48.4394, 58.3408,
27.1205

Harmonies

Analogous

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



12.5013, 13.2124, 21.1546



13.5682, 13.2124, 20.2475



14.4032, 13.2124, 17.7148

Triad

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



13.5682, 13.2124, 20.2475



13.6720, 13.2124, 9.9077



10.6024, 13.2124, 14.2240

Complementary

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



13.5682, 13.2124, 20.2475



16.6834, 18.6719, 14.5297

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.



10.8775, 13.2124, 11.5029



13.5682, 13.2124, 20.2475



12.6149, 13.2124, 9.2414

Square

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



13.5682, 13.2124, 20.2475



14.4656, 13.2124, 11.7473



11.5992, 13.2124, 9.7814



10.8259, 13.2124, 17.3931

Rectangle

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



13.5682, 13.2124, 20.2475



14.6945, 13.2124, 15.6072



11.5992, 13.2124, 9.7814



10.6393, 13.2124, 13.2304

Sweetspot

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



13.5686, 13.2129, 20.2478



29.4928, 30.3540, 36.6974



15.1570, 17.0543, 20.9055



6.6908, 6.8734, 8.3807



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.



13.5686, 13.2129, 20.2478



22.0184, 20.9204, 35.2704



14.9580, 13.9292, 20.3128



3.8566, 3.9240, 4.9973



4.0233, 1.6468, 19.4911



18.6761, 7.5899, 92.9504

Inverse Universe

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



15.7584, 14.3699, 19.0834



26.6968, 23.3935, 32.7189



15.2355, 17.9254, 14.4620



4.1260, 4.0661, 4.8612



10.9097, 5.3400, 13.3474



51.7622, 25.3612, 62.2031

Previews

White Background



This preview shows how the XYZ color 13.5682, 13.2124, 20.2475 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 13.5682, 13.2124, 20.2475 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 13.5682, 13.2124, 20.2475

Background



This preview shows how black text looks on a background with the XYZ color 13.5682, 13.2124, 20.2475.



This preview shows how white text looks on a background with the XYZ color 13.5682, 13.2124,

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

13.5682, 13.2124, 20.2475

Protanopia

13.1586, 13.2788, 20.6084

Deuteranopia

13.4542, 13.1536, 20.2421



Tritanopia

12.7808, 13.1782, 16.3380

Trichromacy



Original Color

13.5682, 13.2124, 20.2475

Protanomaly

13.2779, 13.1971, 20.5864

Deuteranomaly

13.4542, 13.1536, 20.2421

Tritanomaly

13.0739, 13.1540, 17.7695

Monochromacy



Original Color

13.5682, 13.2124, 20.2475

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 13.5682, 13.2124, 20.2475 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(103, 99, 122)` looks like.

```
.text, #text, p{  
    color:rgb(103, 99, 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(103, 99, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 99, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.5682, 13.2124, 20.2475 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(103, 99, 122) }
```


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

```
.border{ border-color:rgb(103, 99, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 99, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 99, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 99, 122);  
box-shadow:4px 4px 4px 4px rgb(103, 99,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5682, 13.2124, 20.2475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 99, 122) }
```

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

```
.background{ background-color: rgb(103, 99,  
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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