

Converting Colors

XYZ(12.4139, 13.4466, 2.2283)

Have a look what the booklet for
XYZ(12.4139, 13.4466, 2.2283)
contains.

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Color

**XYZ(12.4139, 13.4466,
2.2283)**

Conversions

Conversions Part 1

Format	Color
Hex	77660A
RGB	119, 102, 10
RGB Percent	47%, 40%, 4%
CMY	0.5333, 0.6000, 0.9608
CMYK	0.00, 0.14, 0.92, 0.53
HSL	51°, 84%, 25%
HSV	51°, 92%, 47%
XYZ	12.4139, 13.4466, 2.2283
YIQ	96.5950, 39.6640, -25.0080

Conversions

Conversions Part 2

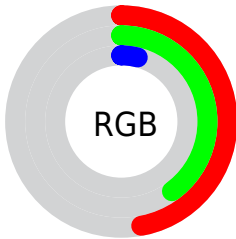
Format	Color
R_{YB}	30, 119, 10
Decimal	7824906
CIE _{Lab}	43.43, -2.47, 47.76
CIE _{LCh}	43, 47.821, 92.965
Yxy	13.4466, 0.4420, 0.4787
Android (android.graphics.Color)	4286014986 (0xFF77660A)
YUV	96.5950, -42.6913, 19.6492
Hunter-Lab	36.6696, -3.7435, 22.0659

Details

The XYZ color **12.4139, 13.4466, 2.2283** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.8469, 2.1803, 17.6707**, and the grayscale version is **11.3578, 11.9493, 13.0128**.

A 20% lighter version of the original color is **29.8009, 32.1628, 9.6384**, and **3.7289, 4.0216, 0.5797** is the 20% darker color. If you saturate the color by 10%, you get **12.2075, 13.1215, 1.8893**, and if you desaturate by 10%, it is **12.6877, 13.8517, 2.7592**.

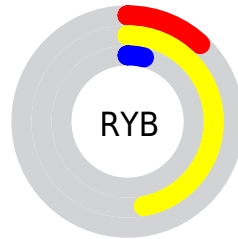
Distribution



Red (47%)

Green (40%)

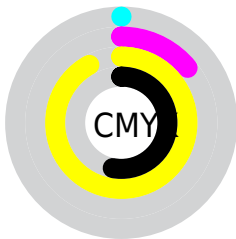
Blue (4%)



Red (12%)

Yellow (47%)

Blue (4%)

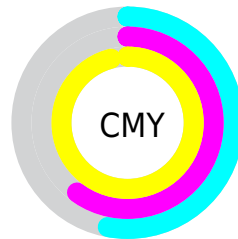


Cyan (0%)

Magenta (14%)

Yellow (92%)

Black (53%)



Cyan (53%)

Magenta (60%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4139, 13.4466, 2.2283 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 12.4139, 13.4466, 2.2283 by changing the saturation by 10% instead.

■ 12.4139, 13.4466,
2.2283

■ 12.4139, 13.4466,
2.2283

200.8409,
213.7604, 125.8268

■ 7.1004, 7.7368,
0.6906

■ 29.8571, 32.1038,
9.6561

■ 3.5719, 3.9270,
0.0000

■ 42.7175, 45.8200,
16.4083

■ 1.4629, 1.6328,
0.0000

■ 58.8243, 62.9738,
25.7442

■ 0.3004, 0.3796,
0.0000


■ 78.5428, 83.9496,
38.0822


■ 0.0000, 0.0000,
0.0000


■ 102.2383,
109.1317, 53.8409


■ 130.2763,


138.9046, 73.4389


 163.0220,
173.6527, 97.2947


 12.4139, 13.4466,
2.2283


 12.4139, 13.4466,
2.2283


 12.2075, 13.1215,
1.8893

 12.6877, 13.8517,
2.7592

 13.0183, 14.2856,
3.5699

 13.4124, 14.7515,
4.6947

 13.8756, 15.2517,
6.1630

 14.4128, 15.7883,
8.0004

■ 15.0285, 16.3629,
10.2305

■ 15.7269, 16.9774,
12.8748

■ 16.5116, 17.6333,
15.9530

■ 17.3863, 18.3320,
19.4838

Harmonies

Analogous

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



16.3180, 13.4466, 2.9204



12.4139, 13.4466, 2.2283



9.2680, 13.4466, 3.2976

Triad

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



12.4139, 13.4466, 2.2283



7.6666, 13.4466, 28.8680



20.2753, 13.4466, 26.0753

Complementary

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



12.4139, 13.4466, 2.2283



3.8469, 2.1803, 17.6707

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.



17.0844, 13.4466, 39.4542



12.4139, 13.4466, 2.2283



9.7954, 13.4466, 41.5434

Square

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



12.4139, 13.4466, 2.2283



6.8822, 13.4466, 15.7272



13.1544, 13.4466, 46.1377



21.3444, 13.4466, 13.6061

Rectangle

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



12.4139, 13.4466, 2.2283



7.8759, 13.4466, 5.4396



13.1544, 13.4466, 46.1377



19.3883, 13.4466, 30.7841

Sweetspot

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



12.4142, 13.4472, 2.2286



27.3828, 29.7230, 20.0800



7.9279, 4.2237, 1.5067



6.4119, 6.9749, 4.4682



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.



12.4142, 13.4472, 2.2286



21.7793, 23.3349, 3.3562



10.1896, 15.0394, 2.6531



3.9204, 4.1737, 3.9413



12.9643, 13.9298, 2.0054



62.6659, 66.8603, 9.6025

Inverse Universe

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



3.8469, 2.1803, 17.6707



6.2946, 3.0489, 31.5098



4.5802, 2.1378, 17.6238



3.5425, 3.6737, 4.6126



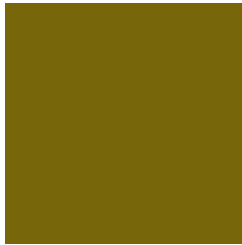
3.7720, 1.8838, 18.7074



17.9641, 8.3448, 91.0242

Previews

White Background



This preview shows how the XYZ color 12.4139, 13.4466, 2.2283 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 12.4139, 13.4466, 2.2283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

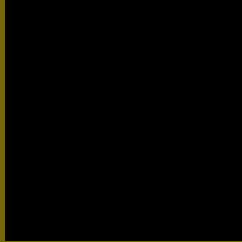
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4139, 13.4466, 2.2283

Background



This preview shows how black text looks on a background with the XYZ color 12.4139, 13.4466, 2.2283.

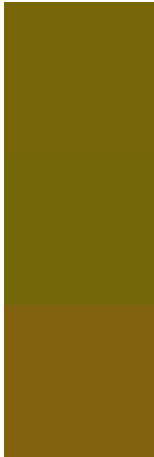


This preview shows how white text looks on a background with the XYZ color 12.4139, 13.4466,

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

12.4139, 13.4466, 2.2283

Protanopia

12.1075, 13.4354, 2.2423

Deuteranopia

13.6598, 13.5157, 2.3408



Tritanopia

14.9479, 13.5037, 14.3890

Trichromacy



Original Color

12.4139, 13.4466, 2.2283

Protanomaly

12.2412, 13.5043, 2.2486

Deuteranomaly

13.1387, 13.3884, 2.2725

Tritanomaly

13.6102, 13.3760, 7.4947

Monochromacy



Original Color

12.4139, 13.4466, 2.2283

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.2417, 12.3086, 6.7843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4139, 13.4466, 2.2283 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(119, 102, 10)` looks like.

```
.text, #text, p{  
    color:rgb(119, 102, 10)  
}
```

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(119, 102, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 102, 10) }
```

Border

The CSS property to change the border of an element to XYZ 12.4139, 13.4466, 2.2283 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(119, 102, 10) }
```


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

```
.border{ border-color:rgb(119, 102, 10) }
```

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

Here you see how a box with a 4 pixel rgb(119, 102, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 102, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 102, 10);  
box-shadow:4px 4px 4px 4px rgb(119, 102,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4139, 13.4466, 2.2283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 102, 10) }
```

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

```
.background{ background-color: rgb(119,  
102, 10) }
```

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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