

Converting Colors

XYZ(13.2096, 14.0858, 22.2727)

Have a look what the booklet for
XYZ(13.2096, 14.0858, 22.2727)
contains.

XYZ(13.1701, 13.9904, 22.4284)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.1701, 13.9904,
22.4284)**

Conversions

Conversions Part 1

Format	Color
Hex	596A80
RGB	89, 106, 128
RGB Percent	35%, 42%, 50%
CMY	0.6510, 0.5843, 0.4980
CMYK	0.30, 0.17, 0.00, 0.50
HSL	214°, 18%, 43%
HSV	214°, 30%, 50%
XYZ	13.1701, 13.9904, 22.4284
YIQ	103.4250, -17.1940, 3.2380

Conversions

Conversions Part 2

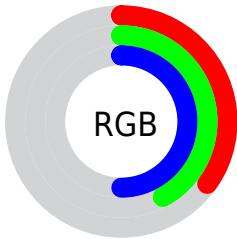
Format	Color
R _Y B	89, 101, 128
Decimal	5859968
CIE Lab	44.22, -0.83, -14.29
CIE LCh	44, 14.314, 266.671
Yxy	13.9904, 0.2656, 0.2821
Android (android.graphics.Color)	4284050048 (0xFF596A80)
YUV	103.4250, 12.1155, -12.6507
Hunter-Lab	37.4037, -2.6055, -9.3694

Details

The XYZ color **13.1701, 13.9904, 22.4284** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.3899, 16.6794, 11.8071**, and the grayscale version is **12.9772, 13.6530, 14.8681**.

A 20% lighter version of the original color is **31.2127, 33.0256, 48.4456**, and **3.9301, 4.1847, 7.9977** is the 20% darker color. If you saturate the color by 10%, you get **11.3340, 11.9857, 22.1385**, and if you desaturate by 10%, it is **15.2833, 16.2317, 22.7499**.

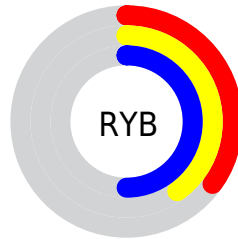
Distribution



Red (35%)

Green (42%)

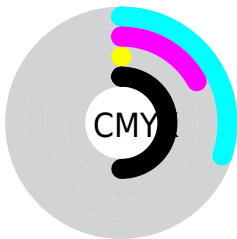
Blue (50%)



Red (35%)

Yellow (40%)

Blue (50%)

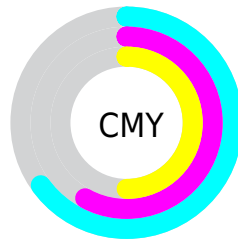


Cyan (30%)

Magenta (17%)

Yellow (0%)

Black (50%)



Cyan (65%)

Magenta (58%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1701, 13.9904, 22.4284 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 13.1701, 13.9904, 22.4284 by changing the saturation by 10% instead.

■ 13.1701, 13.9904,
22.4284

■ 13.1701, 13.9904,
22.4284

205.6206,
217.1711, 277.8015

■ 7.6236, 8.1140,
13.9707

■ 31.2078, 33.0720,
48.3643

■ 3.9048, 4.1680,
7.9618

■ 44.4296, 47.0460,
66.6795

■ 1.6484, 1.7680,
3.9831

■ 60.9406, 64.4879,
89.1177

■ 0.4237, 0.4671,
1.6161

■ 81.1062, 85.7822,
116.0974

■ 0.0000, 0.0000,
0.3022

■ 105.2916,
111.3133, 148.0370

■ 0.0000, 0.0000,
0.0000

133.8622,

141.4656, 185.3553

167.1834,
176.6234, 228.4706

■ 13.1701, 13.9904,
22.4284

■ 13.1701, 13.9904,
22.4284

■ 11.3340, 11.9857,
22.1385

■ 15.2833, 16.2317,
22.7499

■ 9.7612, 10.2071,
21.8781

■ 17.6841, 18.7161,
23.1029

■ 8.4385, 8.6458,
21.6464

■ 20.3839, 21.4520,
23.4887

■ 7.3507, 7.2916,
21.4423

■ 23.3932, 24.4468,
23.9081

■ 6.4812, 6.1332,
21.2646

■ 26.7219, 27.7078,
24.3621

■ 5.8107, 5.1579,
21.1117

■ 30.3794, 31.2415,
24.8514

■ 5.3008, 4.3674,
20.9860

■ 34.3748, 35.0547,
25.3768

■ 38.7167, 39.1536,
25.9392

■ 43.4135, 43.5443,
26.5391

Harmonies

Analogous

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



12.1250, 13.9904, 21.1270



13.1701, 13.9904, 22.4284



14.3096, 13.9904, 21.5854

Triad

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



13.1701, 13.9904, 22.4284



15.3618, 13.9904, 12.5765



11.5427, 13.9904, 12.0270

Complementary

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



13.1701, 13.9904, 22.4284



16.3899, 16.6794, 11.8071

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.



12.3342, 13.9904, 10.2682



13.1701, 13.9904, 22.4284



14.5432, 13.9904, 10.5521

Square

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



13.1701, 13.9904, 22.4284



15.6168, 13.9904, 15.6020



13.4256, 13.9904, 9.7693



11.2199, 13.9904, 14.8702

Rectangle

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



13.1701, 13.9904, 22.4284



14.9628, 13.9904, 19.9784



13.4256, 13.9904, 9.7693



11.7605, 13.9904, 11.3059

Sweetspot

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



13.1705, 13.9910, 22.4287



31.7052, 33.5349, 40.7581



14.6783, 18.6981, 17.7164



7.2903, 7.7157, 9.5234



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.1705, 13.9910, 22.4287



20.7555, 21.9871, 39.1063



11.7784, 10.9252, 21.9103



4.2511, 4.4961, 5.4571



5.2574, 4.3332, 20.8092



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.0763, 12.7749, 15.3074



24.7738, 19.7088, 24.0269



18.1342, 20.5993, 12.4718



4.3996, 4.3730, 4.9085



9.5306, 4.8319, 4.1181



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.1701, 13.9904, 22.4284 looks on a white background.

Color Contrast Check

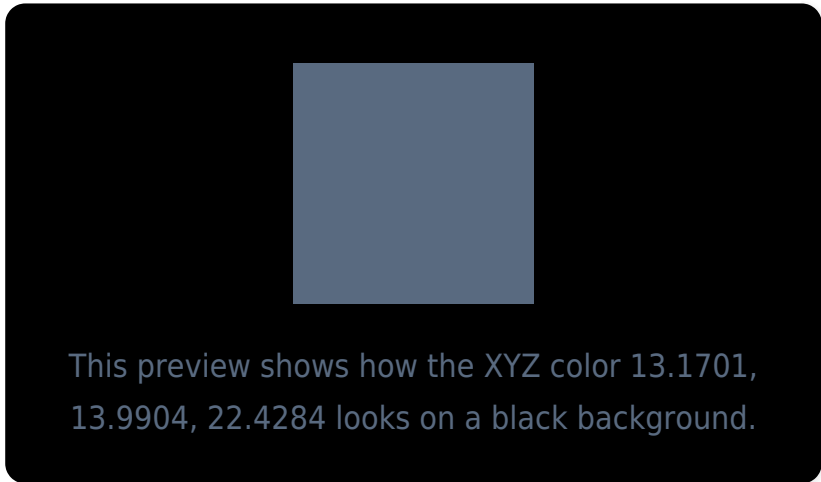
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

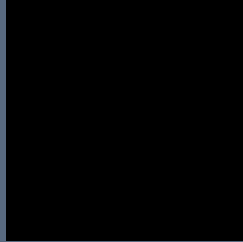
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

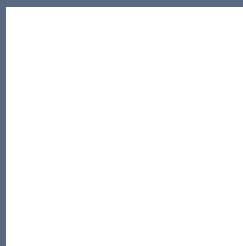
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1701, 13.9904, 22.4284

Background



This preview shows how black text looks on a background with the XYZ color 13.1701, 13.9904, 22.4284.

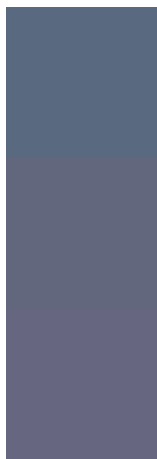


This preview shows how white text looks on a background with the XYZ color 13.1701, 13.9904,

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

13.1701, 13.9904, 22.4284

Protanopia

13.7617, 13.8595, 21.6885

Deuteranopia

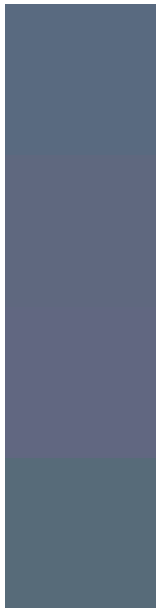
14.1933, 13.9125, 22.7062



Tritanopia

12.4112, 13.9879, 18.8754

Trichromacy



Original Color

13.1701, 13.9904, 22.4284

Protanomaly

13.5004, 13.8658, 22.0435

Deuteranomaly

13.7425, 13.8269, 22.7134

Tritanomaly

12.6394, 13.9221, 20.1102

Monochromacy



Original Color

13.1701, 13.9904, 22.4284

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9119, 13.6672, 17.2867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1701, 13.9904, 22.4284 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(89, 106, 128) looks like.

```
.text, #text, p{  
    color:rgb(89, 106, 128)  
}
```

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(89, 106, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 106, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.1701, 13.9904, 22.4284 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(89, 106, 128) }
```


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

```
.border{ border-color:rgb(89, 106, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 106, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 106, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 106, 128);  
box-shadow:4px 4px 4px 4px rgb(89, 106,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1701, 13.9904, 22.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 106, 128) }
```

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

```
.background{ background-color: rgb(89, 106,  
128) }
```

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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