

Converting Colors

XYZ(22.3500, 24.1528, 21.3999)

Have a look what the booklet for
XYZ(22.3500, 24.1528, 21.3999)
contains.

XYZ(22.3477, 24.1986, 21.2623)	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(22.3477, 24.1986,
21.2623)**

Conversions

Conversions Part 1

Format	Color
Hex	888878
RGB	136, 136, 120
RGB Percent	53%, 53%, 47%
CMY	0.4667, 0.4667, 0.5294
CMYK	0.00, 0.00, 0.12, 0.47
HSL	60°, 6%, 50%
HSV	60°, 12%, 53%
XYZ	22.3477, 24.1986, 21.2623
YIQ	134.1760, 5.1360, -4.9760

Conversions

Conversions Part 2

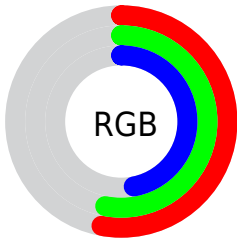
Format	Color
R_{YB}	120, 136, 120
Decimal	8947832
CIE Lab	56.29, -2.97, 8.60
CIE LCh	56, 9.098, 109.079
Yxy	24.1986, 0.3296, 0.3569
Android (android.graphics.Color)	4287137912 (0xFF888878)
YUV	134.1760, -6.9888, 1.5996
Hunter-Lab	49.1921, -4.9945, 8.8075

Details

The XYZ color **22.3477, 24.1986, 21.2623** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.9070, 19.2042, 26.0041**, and the grayscale version is **22.7488, 23.9335, 26.0636**.

A 20% lighter version of the original color is **46.6303, 50.1926, 46.2602**, and **8.3352, 9.1019, 7.4484** is the 20% darker color. If you saturate the color by 10%, you get **21.5802, 23.8924, 17.2195**, and if you desaturate by 10%, it is **23.2338, 24.5539, 25.9237**.

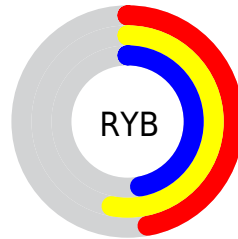
Distribution



Red (53%)

Green (53%)

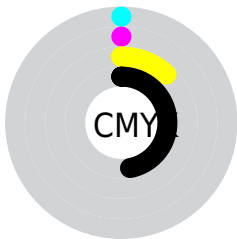
Blue (47%)



Red (47%)

Yellow (53%)

Blue (47%)

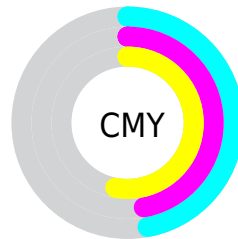


Cyan (0%)

Magenta (0%)

Yellow (12%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3477, 24.1986, 21.2623 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 22.3477, 24.1986, 21.2623 by changing the saturation by 10% instead.

■ 22.3477, 24.1986,
21.2623

■ 22.3477, 24.1986,
21.2623

256.9551,
273.8230, 271.4959

■ 14.2306, 15.4810,
13.1228

■ 46.7946, 50.3541,
46.4101

■ 8.3640, 9.1577,
7.3814

■ 63.8551, 68.5608,
64.2555

■ 4.3825, 4.8442,
3.6197

■ 84.6275, 90.6993,
86.1732

■ 1.9207, 2.1561,
1.4191

109.4772,
117.1540, 112.5818

■ 0.5888, 0.6959,
0.1566

138.7694,
148.3094, 143.8998

■ 0.0000, 0.0000,
0.0000

172.8695,

184.5497, 180.5458

212.1430,
226.2595, 222.9383

■ 22.3477, 24.1986,
21.2623

■ 22.3477, 24.1986,
21.2623

■ 21.5802, 23.8924,
17.2195

■ 23.2338, 24.5539,
25.9237

■ 20.9244, 23.6300,
13.7679

■ 24.2411, 24.9568,
31.2264

■ 20.3757, 23.4105,
10.8802

■ 25.3747, 25.4103,
37.1941

■ 19.9284, 23.2315,
8.5264

■ 26.6387, 25.9160,
43.8488

■ 19.5763, 23.0906,
6.6739

■ 28.0372, 26.4754,
51.2111

■ 19.3125, 22.9851,
5.2864

■ 29.5738, 27.0901,
59.3013

■ 19.1291, 22.9117,
4.3226

■ 31.2524, 27.7615,
68.1385

■ 19.0170, 22.8668,
3.7341

■ 33.0763, 28.4911,
77.7413

■ 18.9552, 22.8421,
3.4099

■ 35.0489, 29.2802,
88.1274

Harmonies

Analogous

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



23.3839, 24.1986, 21.0787



22.3477, 24.1986, 21.2623



21.5109, 24.1986, 22.7463

Triad

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



22.3477, 24.1986, 21.2623



21.7054, 24.1986, 30.9533



25.0357, 24.1986, 27.4566

Complementary

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



22.3477, 24.1986, 21.2623



18.9070, 19.2042, 26.0041

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.



24.5564, 24.1986, 30.3115



22.3477, 24.1986, 21.2623



22.6204, 24.1986, 32.4299

Square

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



22.3477, 24.1986, 21.2623



21.1479, 24.1986, 28.2797



23.6650, 24.1986, 32.1865



24.9573, 24.1986, 24.5066

Rectangle

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



22.3477, 24.1986, 21.2623



21.1689, 24.1986, 24.3409



23.6650, 24.1986, 32.1865



24.9339, 24.1986, 28.4628

Sweetspot

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



22.3484, 24.1997, 21.2628



40.5617, 43.1165, 43.6773



20.2607, 20.0239, 20.5668



9.3683, 9.9751, 9.9818



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



22.3484, 24.1997, 21.2628



39.0196, 42.4996, 35.5600



21.0973, 23.5547, 21.2043



5.4310, 5.8449, 5.3943



17.9396, 21.6182, 3.2272



0.1192, 0.1436, 0.0214

Inverse Universe

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



18.9070, 19.2042, 26.0041



31.7713, 31.9780, 45.5462



20.0632, 19.8003, 26.0582



4.7747, 4.8923, 6.2985



4.2063, 1.6825, 22.1488



0.0280, 0.0112, 0.1471

Previews

White Background



This preview shows how the XYZ color 22.3477, 24.1986, 21.2623 looks on a white background.

Color Contrast Check

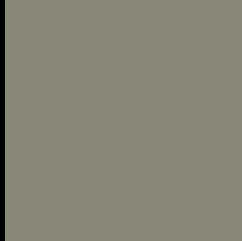
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.3477, 24.1986, 21.2623 looks on a black 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

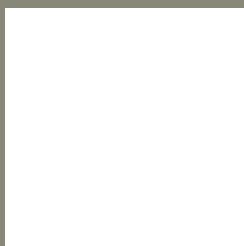
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3477, 24.1986, 21.2623

Background



This preview shows how black text looks on a background with the XYZ color 22.3477, 24.1986, 21.2623.



This preview shows how white text looks on a background with the XYZ color 22.3477, 24.1986,

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

22.3477, 24.1986, 21.2623

Protanopia

22.8394, 24.0448, 20.8901

Deuteranopia

24.5707, 24.1180, 21.4494



Tritanopia

23.9929, 24.2472, 29.4022

Trichromacy



Original Color

22.3477, 24.1986, 21.2623

Protanomaly

22.6412, 24.1488, 20.9206

Deuteranomaly

23.7351, 24.0860, 21.4873

Tritanomaly

23.3795, 24.2027, 26.3610

Monochromacy



Original Color

22.3477, 24.1986, 21.2623

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.6181, 24.0638, 24.2216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3477, 24.1986, 21.2623 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(136, 136, 120)` looks like.

```
.text, #text, p{  
    color:rgb(136, 136, 120)  
}
```

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(136, 136, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 136, 120) }
```

Border

The CSS property to change the border of an element to XYZ 22.3477, 24.1986, 21.2623 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(136, 136, 120) }
```


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

```
.border{ border-color:rgb(136, 136, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 136, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 136, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 136, 120);  
box-shadow:4px 4px 4px 4px rgb(136, 136,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3477, 24.1986, 21.2623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 136, 120) }
```

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

```
.background{ background-color: rgb(136,  
136, 120) }
```

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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