

Converting Colors

XYZ(22.3518, 23.7281, 24.2204)

Have a look what the booklet for
XYZ(22.3518, 23.7281, 24.2204)
contains.

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Color

**XYZ(22.3191, 23.7035,
24.1678)**

Conversions

Conversions Part 1

Format	Color
Hex	868681
RGB	134, 134, 129
RGB Percent	53%, 53%, 51%
CMY	0.4745, 0.4745, 0.4941
CMYK	0.00, 0.00, 0.04, 0.47
HSL	60°, 2%, 52%
HSV	60°, 4%, 53%
XYZ	22.3191, 23.7035, 24.1678
YIQ	133.4300, 1.6050, -1.5550

Conversions

Conversions Part 2

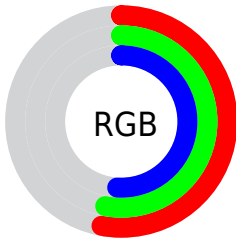
Format	Color
R_{YB}	129, 134, 129
Decimal	8816257
CIE Lab	55.79, -0.97, 2.68
CIE LCh	56, 2.850, 109.814
Yxy	23.7035, 0.3180, 0.3377
Android (android.graphics.Color)	4287006337 (0xFF868681)
YUV	133.4300, -2.1840, 0.4999
Hunter-Lab	48.6862, -3.3717, 4.6489

Details

The XYZ color **22.3191, 23.7035, 24.1678** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.2075, 22.0895, 25.7014**, and the grayscale version is **22.4590, 23.6286, 25.7316**.

A 20% lighter version of the original color is **46.7073, 49.4828, 51.3454**, and **8.2744, 8.8047, 8.8528** is the 20% darker color. If you saturate the color by 10%, you get **21.4855, 23.3707, 19.7801**, and if you desaturate by 10%, it is **23.2708, 24.0851, 29.1719**.

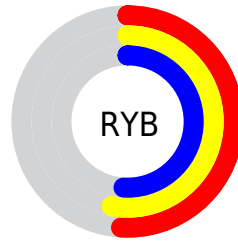
Distribution



Red (53%)

Green (53%)

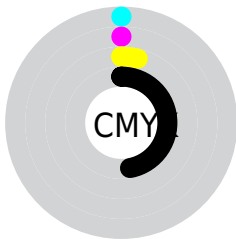
Blue (51%)



Red (51%)

Yellow (53%)

Blue (51%)

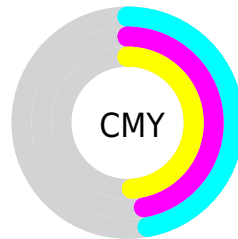


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3191, 23.7035, 24.1678 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 22.3191, 23.7035, 24.1678 by changing the saturation by 10% instead.

■ 22.3191, 23.7035,
24.1678

■ 22.3191, 23.7035,
24.1678

256.8093,
271.3180, 286.9816

■ 14.2095, 15.1138,
15.2448

■ 46.7478, 49.5459,
51.2511

■ 8.3492, 8.8993,
8.8428

■ 63.7975, 67.5675,
70.2486

■ 4.3729, 4.6756,
4.5434

■ 84.5580, 89.5017,
93.4412

■ 1.9152, 2.0582,
1.9279

109.3947,
115.7331, 121.2476

■ 0.5856, 0.6410,
0.5104

138.6727,
146.6461, 154.0863

■ 0.0000, 0.0000,
0.0000

172.7576,

182.6249, 192.3758

212.0147,
224.0541, 236.5347

■ 22.3191, 23.7035,
24.1678

■ 22.3191, 23.7035,
24.1678

■ 21.4855, 23.3707,
19.7801

■ 23.2708, 24.0851,
29.1719

■ 20.7637, 23.0819,
15.9834

■ 24.3430, 24.5140,
34.8132

■ 20.1493, 22.8360,
12.7531

■ 25.5404, 24.9931,
41.1137

■ 19.6373, 22.6311,
10.0618

■ 26.8668, 25.5238,
48.0936

■ 19.2222, 22.4650,
7.8804

■ 28.3259, 26.1075,
55.7725

■ 18.8977, 22.3351,
6.1767

■ 29.9213, 26.7458,
64.1690

■ 18.6572, 22.2388,
4.9148

■ 31.6564, 27.4399,
73.3011

■ 18.4929, 22.1729,
4.0540

■ 33.5345, 28.1912,
83.1861

■ 18.3951, 22.1337,
3.5439

■ 35.5587, 29.0010,
93.8409

Harmonies

Analogous

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



22.6397, 23.7035, 24.0937



22.3191, 23.7035, 24.1678



22.0572, 23.7035, 24.6756

Triad

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



22.3191, 23.7035, 24.1678



22.1301, 23.7035, 27.1952



23.1478, 23.7035, 26.1257

Complementary

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



22.3191, 23.7035, 24.1678



21.2075, 22.0895, 25.7014

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.



23.0084, 23.7035, 26.9767



22.3191, 23.7035, 24.1678



22.4196, 23.7035, 27.6040

Square

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



22.3191, 23.7035, 24.1678



21.9488, 23.7035, 26.4182



22.7411, 23.7035, 27.5230



23.1202, 23.7035, 25.2094

Rectangle

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



22.3191, 23.7035, 24.1678



21.9502, 23.7035, 25.1987



22.7411, 23.7035, 27.5230



23.1188, 23.7035, 26.4292

Sweetspot

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



22.3198, 23.7045, 24.1683



39.7567, 41.9363, 44.8609



21.6450, 22.3544, 23.9433



8.9594, 9.4489, 10.1205



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



22.3198, 23.7045, 24.1683



39.2675, 41.7406, 42.2871



21.9261, 23.5016, 24.1499



5.1295, 5.4589, 5.4838



17.1944, 20.7240, 3.0939



0.0596, 0.0718, 0.0107

Inverse Universe

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



21.2075, 22.0895, 25.7014



37.1263, 38.6316, 45.2383



21.5918, 22.2876, 25.7194



4.8179, 5.0066, 5.9132



4.0333, 1.6134, 21.2355



0.0140, 0.0056, 0.0736

Previews

White Background



This preview shows how the XYZ color 22.3191, 23.7035, 24.1678 looks on a white background.

Color Contrast Check

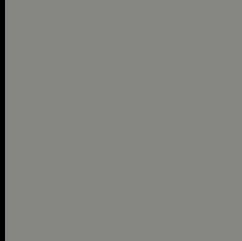
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3191, 23.7035, 24.1678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

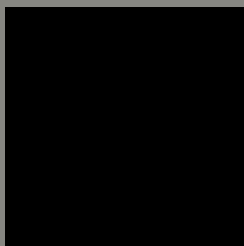
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

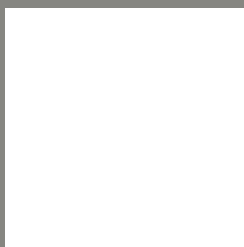
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3191, 23.7035, 24.1678

Background



This preview shows how black text looks on a background with the XYZ color 22.3191, 23.7035, 24.1678.



This preview shows how white text looks on a background with the XYZ color 22.3191, 23.7035, 24.1678.

24.1678.

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

22.3191, 23.7035, 24.1678

Protanopia

22.6003, 23.6519, 23.7962

Deuteranopia

24.0923, 23.6081, 24.4061



Tritanopia

23.2871, 23.6898, 28.9364

Trichromacy



Original Color

22.3191, 23.7035, 24.1678

Protanomaly

22.4372, 23.5678, 23.7886

Deuteranomaly

23.4733, 23.6839, 24.4534

Tritanomaly

22.8946, 23.7321, 27.0410

Monochromacy



Original Color

22.3191, 23.7035, 24.1678

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.2253, 23.4275, 25.1804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3191, 23.7035, 24.1678 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(134, 134, 129)` looks like.

```
.text, #text, p{  
    color:rgb(134, 134, 129)  
}
```

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(134, 134, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 134, 129) }
```

Border

The CSS property to change the border of an element to XYZ 22.3191, 23.7035, 24.1678 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(134, 134, 129) }
```


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

```
.border{ border-color:rgb(134, 134, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 134, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 134, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 134, 129);  
box-shadow:4px 4px 4px 4px rgb(134, 134,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3191, 23.7035, 24.1678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 134, 129) }
```

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

```
.background{ background-color: rgb(134,  
134, 129) }
```

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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