

Converting Colors

XYZ(22.3676, 20.3268, 24.3613)

Have a look what the booklet for
XYZ(22.3676, 20.3268, 24.3613)
contains.

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Color

**XYZ(22.3747, 20.3325,
24.2180)**

Conversions

Conversions Part 1

Format	Color
Hex	937483
RGB	147, 116, 131
RGB Percent	58%, 45%, 51%
CMY	0.4235, 0.5451, 0.4863
CMYK	0.00, 0.21, 0.11, 0.42
HSL	331°, 13%, 52%
HSV	331°, 21%, 58%
XYZ	22.3747, 20.3325, 24.2180
YIQ	126.9790, 13.6610, 11.2370

Conversions

Conversions Part 2

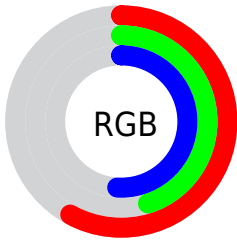
Format	Color
R_{YB}	147, 116, 131
Decimal	9663619
CIE _{Lab}	52.21, 14.71, -3.57
CIE _{LCh}	52, 15.142, 346.354
Yxy	20.3325, 0.3343, 0.3038
Android (android.graphics.Color)	4287853699 (0xFF937483)
YUV	126.9790, 1.9824, 17.5584
Hunter-Lab	45.0916, 9.6625, -0.2797

Details

The XYZ color **22.3747, 20.3325, 24.2180** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.8018, 26.2468, 25.7480**, and the grayscale version is **20.1562, 21.2059, 23.0932**.

A 20% lighter version of the original color is **46.7418, 43.8835, 51.3542**, and **8.4140, 7.2302, 8.9348** is the 20% darker color. If you saturate the color by 10%, you get **20.3170, 17.0099, 21.0872**, and if you desaturate by 10%, it is **24.7394, 24.2083, 27.6375**.

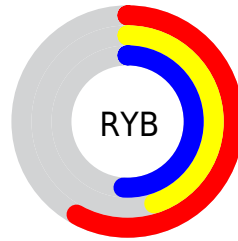
Distribution



Red (58%)

Green (45%)

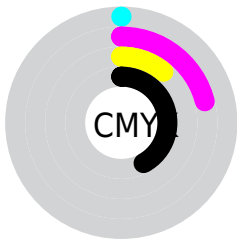
Blue (51%)



Red (58%)

Yellow (45%)

Blue (51%)

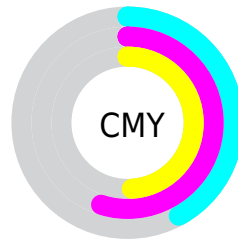


Cyan (0%)

Magenta (21%)

Yellow (11%)

Black (42%)



Cyan (42%)

Magenta (55%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3747, 20.3325, 24.2180 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 22.3747, 20.3325, 24.2180 by changing the saturation by 10% instead.

■ 22.3747, 20.3325,
24.2180

■ 22.3747, 20.3325,
24.2180

257.0926,
253.7095, 287.2427

■ 14.2506, 12.6370,
15.2817

■ 46.8388, 43.9739,
51.3340

■ 8.3781, 7.1790,
8.8685

■ 63.9095, 60.6886,
70.3508

■ 4.3916, 3.5743,
4.5599

■ 84.6931, 81.1785,
93.5648

■ 1.9260, 1.4384,
1.9373

■ 109.5550,
105.8280, 121.3947

■ 0.5919, 0.2448,
0.5163

138.8606,
135.0214, 154.2588

■ 0.0000, 0.0000,
0.0000

172.9751,

169.1432, 192.5759

212.2640,
208.5778, 236.7643

■ 22.3747, 20.3325,
24.2180

■ 22.3747, 20.3325,
24.2180

■ 20.3170, 17.0099,
21.0872

■ 24.7394, 24.2083,
27.6375

■ 18.5511, 14.2123,
18.2353

■ 27.4219, 28.6583,
31.3524

■ 17.0633, 11.9131,
15.6539

■ 30.4346, 33.7059,
35.3707

■ 15.8377, 10.0822,
13.3335

■ 33.7886, 39.3723,
39.6998

■ 14.8572, 8.6864,
11.2639

■ 37.4946, 45.6777,
44.3468

■ 14.1019, 7.6877,
9.4341

■ 41.5628, 52.6413,
49.3185

■ 13.5490, 7.0420,
7.8316

■ 46.0029, 60.2815,
54.6215

■ 13.1740, 6.6596,
6.5730

■ 50.8244, 68.6160,
60.2621

■ 56.0362, 77.6620,
66.2466

Harmonies

Analogous

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



21.5676, 20.3325, 28.5809



22.3747, 20.3325, 24.2180



22.3345, 20.3325, 19.8170

Triad

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



22.3747, 20.3325, 24.2180



18.4968, 20.3325, 14.9052



17.3369, 20.3325, 28.9210

Complementary

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



22.3747, 20.3325, 24.2180



21.8018, 26.2468, 25.7480

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.



16.5996, 20.3325, 24.6348



22.3747, 20.3325, 24.2180



17.2443, 20.3325, 16.7454

Square

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



22.3747, 20.3325, 24.2180



20.0385, 20.3325, 14.8250



16.5666, 20.3325, 20.1818



18.6295, 20.3325, 31.5318

Rectangle

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



22.3747, 20.3325, 24.2180



21.8313, 20.3325, 17.4466



16.5666, 20.3325, 20.1818



17.0190, 20.3325, 27.6044

Sweetspot

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



22.3753, 20.3334, 24.2184



46.6162, 47.1772, 52.7293



20.9503, 19.4637, 30.2566



10.5787, 10.6654, 11.9499



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



22.3753, 20.3334, 24.2184



38.3725, 33.6595, 40.8259



21.4311, 19.9557, 19.2464



5.9107, 5.8593, 6.6358



11.4335, 5.7785, 5.7639



0.1547, 0.0766, 0.1484

Inverse Universe

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



22.3753, 20.3334, 24.2184



38.3725, 33.6595, 40.8259



22.9032, 26.6874, 31.5480



5.9107, 5.8593, 6.6358



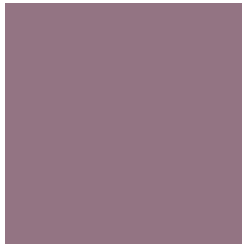
11.4335, 5.7785, 5.7639



0.1547, 0.0766, 0.1484

Previews

White Background



This preview shows how the XYZ color 22.3747, 20.3325, 24.2180 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 22.3747, 20.3325, 24.2180 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 22.3747, 20.3325, 24.2180

Background



This preview shows how black text looks on a background with the XYZ color 22.3747, 20.3325, 24.2180.



This preview shows how white text looks on a background with the XYZ color 22.3747, 20.3325,

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

22.3747, 20.3325, 24.2180

Protanopia

19.9638, 20.4780, 26.1930

Deuteranopia

20.6982, 20.3548, 23.9570



Tritanopia

21.9812, 20.3399, 22.5061

Trichromacy



Original Color

22.3747, 20.3325, 24.2180

Protanomaly

20.6562, 20.3015, 25.3841

Deuteranomaly

21.2736, 20.2943, 23.9151

Tritanomaly

22.1116, 20.3921, 23.1927

Monochromacy



Original Color

22.3747, 20.3325, 24.2180

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.8108, 20.7928, 23.3386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3747, 20.3325, 24.2180 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(147, 116, 131)` looks like.

```
.text, #text, p{  
    color:rgb(147, 116, 131)  
}
```

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(147, 116, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 116, 131) }
```

Border

The CSS property to change the border of an element to XYZ 22.3747, 20.3325, 24.2180 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(147, 116, 131) }
```


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

```
.border{ border-color:rgb(147, 116, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 116, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 116, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 116, 131);  
box-shadow:4px 4px 4px 4px rgb(147, 116,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3747, 20.3325, 24.2180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 116, 131) }
```

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

```
.background{ background-color: rgb(147,  
116, 131) }
```

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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