

Converting Colors

XYZ(12.4412, 13.2016, 13.9392)

Have a look what the booklet for
XYZ(12.4412, 13.2016, 13.9392)
contains.

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Color

**XYZ(12.4184, 13.1895,
13.9479)**

Conversions

Conversions Part 1

Format	Color
Hex	656664
RGB	101, 102, 100
RGB Percent	40%, 40%, 39%
CMY	0.6039, 0.6000, 0.6078
CMYK	0.01, 0.00, 0.02, 0.60
HSL	90°, 1%, 40%
HSV	90°, 2%, 40%
XYZ	12.4184, 13.1895, 13.9479
YIQ	101.4730, 0.0460, -0.8340

Conversions

Conversions Part 2

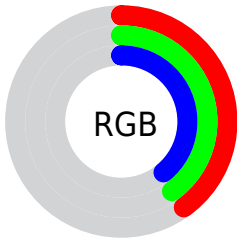
Format	Color
R_{YB}	100, 102, 101
Decimal	6645348
CIE Lab	43.05, -0.80, 0.99
CIE LCh	43, 1.270, 129.051
Yxy	13.1895, 0.3139, 0.3334
Android (android.graphics.Color)	4284835428 (0xFF656664)
YUV	101.4730, -0.7262, -0.4148
Hunter-Lab	36.3174, -2.5189, 2.6515

Details

The XYZ color **12.4184, 13.1895, 13.9479** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3228, 12.8407, 14.4000**, and the grayscale version is **12.4941, 13.1448, 14.3147**.

A 20% lighter version of the original color is **29.9260, 31.6922, 33.8181**, and **3.5301, 3.7737, 3.9105** is the 20% darker color. If you saturate the color by 10%, you get **11.4013, 12.7191, 11.4825**, and if you desaturate by 10%, it is **13.5336, 13.7041, 16.7412**.

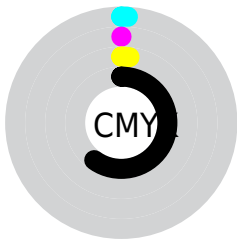
Distribution



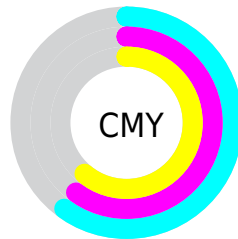
- Red (40%)
- Green (40%)
- Blue (39%)



- Red (39%)
- Yellow (40%)
- Blue (40%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (60%)



- Cyan (60%)
- Magenta (60%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4184, 13.1895, 13.9479 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 12.4184, 13.1895, 13.9479 by changing the saturation by 10% instead.

■ 12.4184, 13.1895,
13.9479

■ 12.4184, 13.1895,
13.9479

200.8697,
212.1286, 228.3236

■ 7.1035, 7.5592,
7.9461

■ 29.8652, 31.6438,
33.7124

■ 3.5738, 3.8142,
3.9732

■ 42.7278, 45.2366,
48.3121

■ 1.4640, 1.5702,
1.6107

■ 58.8370, 62.2523,
66.6149

■ 0.3011, 0.3374,
0.2984

■ 78.5582, 83.0753,
89.0393

■ 0.0000, 0.0000,
0.0000

102.2567,
108.0901, 116.0038

130.2979,

137.6809, 147.9270

163.0471,
172.2323, 185.2274

■ 12.4184, 13.1895,
13.9479

■ 12.4184, 13.1895,
13.9479

■ 11.4013, 12.7191,
11.4825

■ 13.5336, 13.7041,
16.7412

■ 10.4783, 12.2899,
9.3321

■ 14.7486, 14.2624,
19.8728

■ 9.6467, 11.9012,
7.4843

■ 16.0665, 14.8661,
23.3541

■ 8.9032, 11.5516,
5.9253

■ 17.4897, 15.5163,
27.1952

■ 8.2443, 11.2397,
4.6406

■ 19.0208, 16.2139,
31.4061

■ 7.6664, 10.9639,
3.6143

■ 20.6620, 16.9601,
35.9964

■ 7.1653, 10.7225,
2.8286

■ 22.4158, 17.7559,
40.9753

■ 6.7365, 10.5135,
2.2638

■ 24.2843, 18.6020,
46.3517

■ 6.3743, 10.3346,
1.8942

■ 26.2697, 19.4996,
52.1341

Harmonies

Analogous

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



12.5067, 13.1895, 13.8370



12.4184, 13.1895, 13.9479



12.3618, 13.1895, 14.1699

Triad

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



12.4184, 13.1895, 13.9479



12.4693, 13.1895, 14.8688



12.7224, 13.1895, 14.2768

Complementary

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



12.4184, 13.1895, 13.9479



12.3228, 12.8407, 14.4000

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.



12.7122, 13.1895, 14.5541



12.4184, 13.1895, 13.9479



12.5658, 13.1895, 14.8983

Square

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



12.4184, 13.1895, 13.9479



12.3911, 13.1895, 14.7023



12.6548, 13.1895, 14.7824



12.6825, 13.1895, 14.0253

Rectangle

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



12.4184, 13.1895, 13.9479



12.3496, 13.1895, 14.3522



12.6548, 13.1895, 14.7824



12.7247, 13.1895, 14.3700

Sweetspot

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



12.4188, 13.1901, 13.9482



21.9539, 23.2123, 24.8935



12.4339, 13.0527, 13.9209



5.1831, 5.4778, 5.8825



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



12.4188, 13.1901, 13.9482



21.7609, 23.1231, 24.4171



12.3075, 13.1327, 13.9430



3.0988, 3.2884, 3.4867



7.8069, 13.0833, 2.1139



39.7077, 67.7160, 10.9777

Inverse Universe

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



12.3228, 12.8407, 14.4000



21.5846, 22.4812, 25.2474



12.4354, 12.8988, 14.4053



3.0770, 3.2092, 3.5892



4.7931, 2.1151, 16.3000



23.9889, 10.5110, 84.9659

Previews

White Background



This preview shows how the XYZ color 12.4184, 13.1895, 13.9479 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 12.4184, 13.1895, 13.9479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

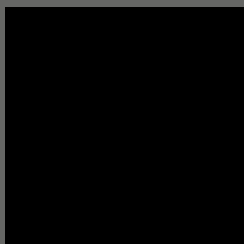
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

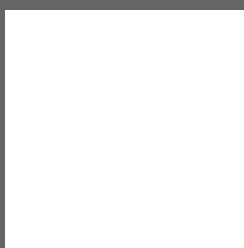
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4184, 13.1895, 13.9479

Background



This preview shows how black text looks on a background with the XYZ color 12.4184, 13.1895, 13.9479.



This preview shows how white text looks on a background with the XYZ color 12.4184, 13.1895,

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

12.4184, 13.1895, 13.9479

Protanopia

12.6629, 13.1705, 13.9314

Deuteranopia

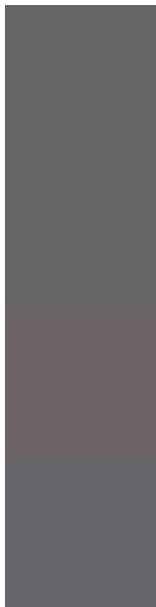
13.3987, 13.1197, 14.1381



Tritanopia

12.8935, 13.2363, 16.3433

Trichromacy



Original Color

12.4184, 13.1895, 13.9479

Protanomaly

12.5474, 13.1110, 13.9260

Deuteranomaly

12.9951, 13.0514, 14.1462

Tritanomaly

12.7347, 13.1727, 15.5071

Monochromacy



Original Color

12.4184, 13.1895, 13.9479

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3695, 13.0136, 14.1719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4184, 13.1895, 13.9479 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(101, 102, 100)` looks like.

```
.text, #text, p{  
    color:rgb(101, 102, 100)  
}
```

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(101, 102, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 102, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.4184, 13.1895, 13.9479 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(101, 102, 100) }
```


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

```
.border{ border-color:rgb(101, 102, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 102, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 102, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 102, 100);  
box-shadow:4px 4px 4px 4px rgb(101, 102,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4184, 13.1895, 13.9479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 102, 100) }
```

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

```
.background{ background-color: rgb(101,  
102, 100) }
```

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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