

Converting Colors

XYZ(23.7644, 21.1804, 10.6203)

Have a look what the booklet for
XYZ(23.7644, 21.1804, 10.6203)
contains.

XYZ(23.7644, 21.1804, 10.6203)	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(23.7644, 21.1804,
10.6203)**

Conversions

Conversions Part 1

Format	Color
Hex	A87351
RGB	168, 115, 81
RGB Percent	66%, 45%, 32%
CMY	0.3412, 0.5490, 0.6823
CMYK	0.00, 0.32, 0.52, 0.34
HSL	23°, 35%, 49%
HSV	23°, 52%, 66%
XYZ	23.7644, 21.1804, 10.6203
YIQ	126.9710, 42.5020, 0.6620

Conversions

Conversions Part 2

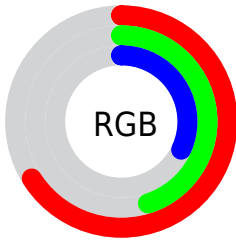
Format	Color
R_{YB}	168, 137, 81
Decimal	11039569
CIE _{Lab}	53.15, 16.95, 27.15
CIE _{LCh}	53, 32.009, 58.031
Yxy	21.1804, 0.4277, 0.3812
Android (android.graphics.Color)	4289229649 (0xFFA87351)
YUV	126.9710, -22.6637, 35.9824
Hunter-Lab	46.0222, 11.6330, 18.5335

Details

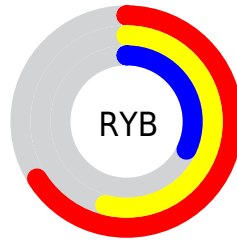
The XYZ color **23.7644, 21.1804, 10.6203** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.9859, 21.6257, 40.2192**, and the grayscale version is **20.2285, 21.2819, 23.1760**.

A 20% lighter version of the original color is **48.9668, 45.2837, 27.6325**, and **9.1206, 7.6464, 2.5853** is the 20% darker color. If you saturate the color by 10%, you get **22.1078, 18.7538, 7.3352**, and if you desaturate by 10%, it is **25.7075, 23.9306, 14.7703**.

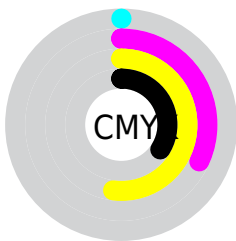
Distribution



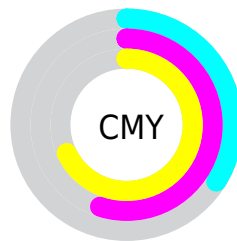
- Red (66%)
- Green (45%)
- Blue (32%)



- Red (66%)
- Yellow (54%)
- Blue (32%)



- Cyan (0%)
- Magenta (32%)
- Yellow (52%)
- Black (34%)



- Cyan (34%)
- Magenta (55%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7644, 21.1804, 10.6203 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 23.7644, 21.1804, 10.6203 by changing the saturation by 10% instead.

■ 23.7644, 21.1804,
10.6203

■ 23.7644, 21.1804,
10.6203

264.0898,
258.2357, 205.6868

■ 15.2827, 13.2559,
5.7012

■ 49.1029, 45.3876,
27.5817

■ 9.1057, 7.6050,
2.5984

■ 66.6905, 62.4391,
40.4611

■ 4.8678, 3.8433,
0.8916

■ 88.0441, 83.3017,
56.8310

■ 2.2039, 1.5863,
0.0000

■ 113.5291,
108.3599, 77.1099

■ 0.7448, 0.3483,
0.0000

■ 143.5108,
137.9979, 101.7164

■ 0.0000, 0.0000,
0.0000

178.3546,

172.6003, 131.0690

218.4258,
212.5515, 165.5863

■ 23.7644, 21.1804,
10.6203

■ 23.7644, 21.1804,
10.6203

■ 22.1078, 18.7538,
7.3352

■ 25.7075, 23.9306,
14.7703

■ 20.7203, 16.6346,
4.8507

■ 27.9500, 27.0134,
19.8406

■ 19.5844, 14.8095,
3.0953

■ 30.5060, 30.4416,
25.8835

■ 18.6798, 13.2629,
1.9839

■ 33.3879, 34.2259,
32.9471

■ 18.0770, 12.1820,
1.3986

■ 36.6077, 38.3769,
41.0759

■ 40.1766, 42.9044,
50.3121

■ 44.1051, 47.8181,
60.6955

■ 48.4035, 53.1272,
72.2639

■ 53.0814, 58.8404,
85.0534

Harmonies

Analogous

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



26.4164, 21.1804, 15.3874



23.7644, 21.1804, 10.6203



20.3550, 21.1804, 9.0332

Triad

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



23.7644, 21.1804, 10.6203



14.3200, 21.1804, 22.4295



23.3359, 21.1804, 43.6512

Complementary

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



23.7644, 21.1804, 10.6203



18.9859, 21.6257, 40.2192

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.



19.9093, 21.1804, 47.0534



23.7644, 21.1804, 10.6203



14.9317, 21.1804, 32.9392

Square

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



23.7644, 21.1804, 10.6203



15.1151, 21.1804, 14.5587



16.8888, 21.1804, 42.6819



26.1502, 21.1804, 34.3612

Rectangle

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



23.7644, 21.1804, 10.6203



18.1897, 21.1804, 9.5243



16.8888, 21.1804, 42.6819



22.2065, 21.1804, 45.6184

Sweetspot

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



23.7649, 21.1814, 10.6207



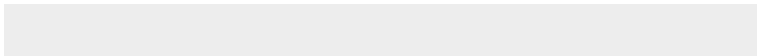
58.1550, 58.9307, 53.7737



23.4395, 15.9493, 24.6359



12.4533, 12.5526, 11.1774



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.7649, 21.1814, 10.6207



39.7494, 33.4792, 12.6185



29.8349, 33.3215, 12.6440



7.7626, 8.0053, 7.9253



13.6980, 9.2933, 1.0718



0.3832, 0.3260, 0.0427

Inverse Universe

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



18.9859, 21.6257, 40.2192



30.0874, 34.3143, 72.2626



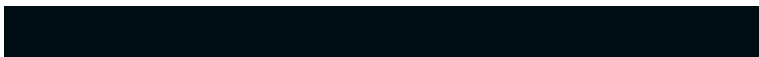
14.2153, 12.0846, 38.6290



7.4977, 8.0323, 9.5736



9.0014, 9.4630, 29.3276



0.2666, 0.3254, 0.7294

Previews

White Background



This preview shows how the XYZ color 23.7644, 21.1804, 10.6203 looks on a white background.

Color Contrast Check

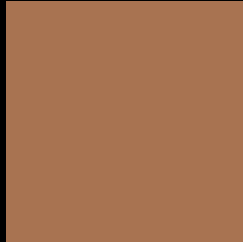
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7644, 21.1804, 10.6203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

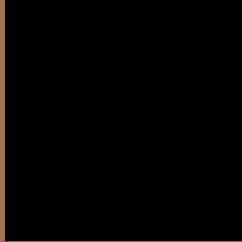
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7644, 21.1804, 10.6203

Background



This preview shows how black text looks on a background with the XYZ color 23.7644, 21.1804, 10.6203.



This preview shows how white text looks on a background with the XYZ color 23.7644, 21.1804,

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

23.7644, 21.1804, 10.6203

Protanopia

19.7503, 21.2539, 11.8656

Deuteranopia

21.7339, 21.3683, 10.5684



Tritanopia

25.6405, 21.1178, 19.8643

Trichromacy



Original Color

23.7644, 21.1804, 10.6203

Protanomaly

21.0776, 21.1956, 11.3677

Deuteranomaly

22.3429, 21.1438, 10.4930

Tritanomaly

24.9215, 21.1543, 16.1343

Monochromacy



Original Color

23.7644, 21.1804, 10.6203

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.0528, 21.0425, 17.7039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7644, 21.1804, 10.6203 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(168, 115, 81)` looks like.

```
.text, #text, p{  
    color:rgb(168, 115, 81)  
}
```

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(168, 115, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 115, 81) }
```

Border

The CSS property to change the border of an element to XYZ 23.7644, 21.1804, 10.6203 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(168, 115, 81) }
```


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

```
.border{ border-color:rgb(168, 115, 81) }
```

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

Here you see how a box with a 4 pixel rgb(168, 115, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 115, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 115, 81);  
box-shadow:4px 4px 4px 4px rgb(168, 115,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7644, 21.1804, 10.6203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 115, 81) }
```

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

```
.background{ background-color: rgb(168,  
115, 81) }
```

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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