

Converting Colors

XYZ(23.5906, 21.5135, 12.8297)

Have a look what the booklet for
XYZ(23.5906, 21.5135, 12.8297)
contains.

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Color

**XYZ(23.6766, 21.6047,
12.8198)**

Conversions

Conversions Part 1

Format	Color
Hex	A4765B
RGB	164, 118, 91
RGB Percent	64%, 46%, 36%
CMY	0.3569, 0.5372, 0.6431
CMYK	0.00, 0.28, 0.45, 0.36
HSL	22°, 29%, 50%
HSV	22°, 45%, 64%
XYZ	23.6766, 21.6047, 12.8198
YIQ	128.6760, 36.0830, 1.3550

Conversions

Conversions Part 2

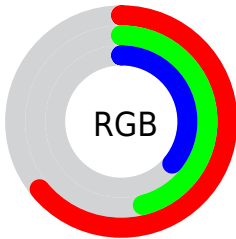
Format	Color
R_{YB}	164, 134, 91
Decimal	10778203
CIE Lab	53.61, 14.58, 21.98
CIE LCh	54, 26.380, 56.444
Yxy	21.6047, 0.4075, 0.3718
Android (android.graphics.Color)	4288968283 (0xFFA4765B)
YUV	128.6760, -18.5743, 30.9791
Hunter-Lab	46.4809, 9.5835, 16.1839

Details

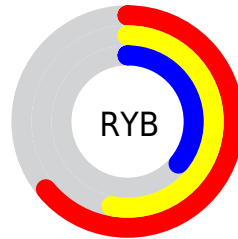
The XYZ color **23.6766, 21.6047, 12.8198** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.9605, 22.7949, 38.4697**, and the grayscale version is **20.8074, 21.8910, 23.8393**.

A 20% lighter version of the original color is **49.0012, 46.0447, 31.5042**, and **9.0322, 7.7607, 3.5045** is the 20% darker color. If you saturate the color by 10%, you get **21.8941, 19.0509, 9.1085**, and if you desaturate by 10%, it is **25.7481, 24.4891, 17.3907**.

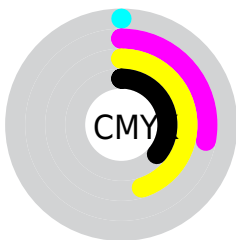
Distribution



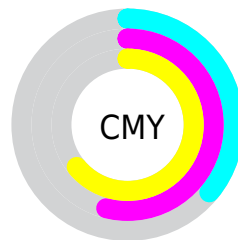
- Red (64%)
- Green (46%)
- Blue (36%)



- Red (64%)
- Yellow (53%)
- Blue (36%)



- Cyan (0%)
- Magenta (28%)
- Yellow (45%)
- Black (36%)




- Cyan (36%)
- Magenta (54%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6766, 21.6047, 12.8198 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 23.6766, 21.6047, 12.8198 by changing the saturation by 10% instead.


 23.6766, 21.6047,
12.8198


 23.6766, 21.6047,
12.8198


263.6523,
260.4749, 220.9267


 15.2173, 13.5667,
7.1753


 48.9605, 46.0918,
31.6661


 9.0594, 7.8199,
3.4919


 66.5158, 63.3097,
45.7050

 4.8373, 3.9800,
1.3509

 87.8338, 84.3563,
63.3791

 2.1859, 1.6624,
0.1030

 113.2799,
109.6162, 85.1069

 0.7353, 0.3991,
0.0000

143.2195,
139.4735, 111.3071

 0.0000, 0.0000,
0.0000

178.0178,

174.3128, 142.3980

218.0403,
214.5185, 178.7984

■ 23.6766, 21.6047,
12.8198

■ 23.6766, 21.6047,
12.8198

■ 21.8941, 19.0509,
9.1085

■ 25.7481, 24.4891,
17.3907

■ 20.3846, 16.8119,
6.2005

■ 28.1204, 27.7129,
22.8700

■ 19.1327, 14.8753,
4.0347


■ 30.8065, 31.2883,
29.3044


■ 18.1205, 13.2262,
2.5404


■ 33.8180, 35.2259,
36.7370

■ 17.3271, 11.8482,
1.6322


■ 37.1660, 39.5361,
45.2082

 16.9608, 11.1944,
1.2668

 40.8610, 44.2286,
54.7561

 44.9131, 49.3127,
65.4171

 49.3318, 54.7976,
77.2256

 54.1265, 60.6921,
90.2147

Harmonies

Analogous

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



25.7764, 21.6047, 17.2699



23.6766, 21.6047, 12.8198



20.8725, 21.6047, 11.1893

Triad

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



23.6766, 21.6047, 12.8198



15.5889, 21.6047, 22.5746



23.0424, 21.6047, 40.3268

Complementary

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



23.6766, 21.6047, 12.8198



19.9605, 22.7949, 38.4697

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.



20.2004, 21.6047, 42.6522



23.6766, 21.6047, 12.8198



16.0565, 21.6047, 31.1303

Square

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



23.6766, 21.6047, 12.8198



16.3434, 21.6047, 15.9487



17.6837, 21.6047, 38.9641



25.3874, 21.6047, 33.1828

Rectangle

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



23.6766, 21.6047, 12.8198



19.0392, 21.6047, 11.5618



17.6837, 21.6047, 38.9641



22.1064, 21.6047, 41.7595

Sweetspot

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



23.6771, 21.6057, 12.8202



56.5785, 57.6623, 54.7999



23.5832, 17.1877, 25.8295



12.1299, 12.2907, 11.3979



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.6771, 21.6057, 12.8202



39.8958, 34.8050, 16.8436



28.7979, 31.8472, 14.5271



7.2784, 7.4951, 7.4432



13.0472, 8.6683, 0.9855



0.3183, 0.2705, 0.0354

Inverse Universe

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



19.9605, 22.7949, 38.4697



32.2852, 37.1965, 69.2304



15.6433, 14.1604, 37.0306



7.0548, 7.5686, 8.9921



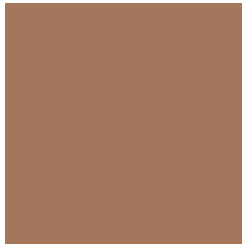
8.9290, 9.6374, 28.3194



0.2305, 0.2882, 0.6093

Previews

White Background



This preview shows how the XYZ color 23.6766, 21.6047, 12.8198 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 23.6766, 21.6047, 12.8198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

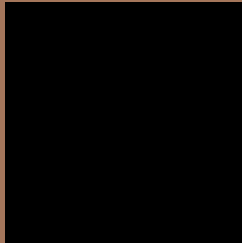
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6766, 21.6047, 12.8198

Background



This preview shows how black text looks on a background with the XYZ color 23.6766, 21.6047, 12.8198.



This preview shows how white text looks on a background with the XYZ color 23.6766, 21.6047,

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

23.6766, 21.6047, 12.8198

Protanopia

20.2660, 21.6678, 13.9407

Deuteranopia

22.0653, 21.6764, 12.6939



Tritanopia

25.4665, 21.6553, 21.2500

Trichromacy



Original Color

23.6766, 21.6047, 12.8198

Protanomaly

21.2607, 21.4265, 13.6048

Deuteranomaly

22.5875, 21.5810, 12.6479

Tritanomaly

24.7259, 21.5162, 17.8888

Monochromacy



Original Color

23.6766, 21.6047, 12.8198

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.5835, 21.6558, 19.2621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6766, 21.6047, 12.8198 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(164, 118, 91)` looks like.

```
.text, #text, p{  
    color:rgb(164, 118, 91)  
}
```

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(164, 118, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 118, 91) }
```

Border

The CSS property to change the border of an element to XYZ 23.6766, 21.6047, 12.8198 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(164, 118, 91) }
```


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

```
.border{ border-color:rgb(164, 118, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 118, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 118, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 118, 91);  
box-shadow:4px 4px 4px 4px rgb(164, 118,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6766, 21.6047, 12.8198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 118, 91) }
```

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

```
.background{ background-color: rgb(164,  
118, 91) }
```

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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