

Converting Colors

XYZ(23.8136, 17.2384, 26.8017)

Have a look what the booklet for
XYZ(23.8136, 17.2384, 26.8017)
contains.

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Color

**XYZ(23.7846, 17.2681,
26.8904)**

Conversions

Conversions Part 1

Format	Color
Hex	A45B8C
RGB	164, 91, 140
RGB Percent	64%, 36%, 55%
CMY	0.3569, 0.6431, 0.4510
CMYK	0.00, 0.45, 0.15, 0.36
HSL	320°, 29%, 50%
HSV	320°, 45%, 64%
XYZ	23.7846, 17.2681, 26.8904
YIQ	118.4130, 27.7790, 30.7150

Conversions

Conversions Part 2

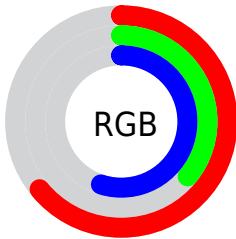
Format	Color
R_{YB}	164, 91, 140
Decimal	10771340
CIE _{Lab}	48.60, 36.65, -14.11
CIE _{LCh}	49, 39.271, 338.947
Yxy	17.2681, 0.3501, 0.2542
Android (android.graphics.Color)	4288961420 (0xFFA45B8C)
YUV	118.4130, 10.6424, 39.9798
Hunter-Lab	41.5549, 29.4462, -9.2784

Details

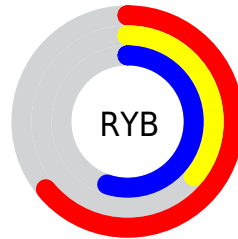
The XYZ color **23.7846, 17.2681, 26.8904** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.6852, 30.0135, 20.9239**, and the grayscale version is **17.3114, 18.2129, 19.8339**.

A 20% lighter version of the original color is **49.0753, 38.7556, 55.9330**, and **9.0688, 5.6391, 10.2833** is the 20% darker color. If you saturate the color by 10%, you get **22.1450, 14.6094, 24.4301**, and if you desaturate by 10%, it is **25.7511, 20.5489, 29.5562**.

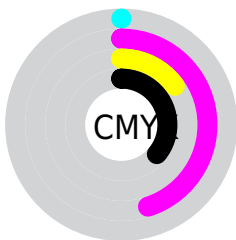
Distribution



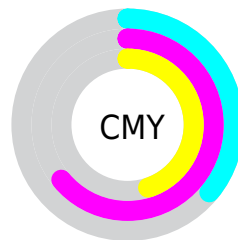
- Red (64%)
- Green (36%)
- Blue (55%)



- Red (64%)
- Yellow (36%)
- Blue (55%)



- Cyan (0%)
- Magenta (45%)
- Yellow (15%)
- Black (36%)





- Cyan (36%)
- Magenta (64%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7846, 17.2681, 26.8904 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 23.7846, 17.2681, 26.8904 by changing the saturation by 10% instead.


 23.7846, 17.2681,
26.8904


 23.7846, 17.2681,
26.8904


264.1904,
236.7127, 300.8694


 15.2978, 10.4258,
17.2592


 49.1357, 38.7862,
55.7095

 9.1163, 5.6822,
10.2556


 66.7307, 54.2307,
75.7346

 4.8748, 2.6528,
5.4609

 88.0925, 73.3115,
100.0613

 2.2080, 0.9533,
2.4567

 113.5864, 96.4129,
129.1083

 0.7470, 0.0000,
0.8171

143.5778,
123.9194, 163.2941

 0.0000, 0.0000,
0.0000

178.4320,

156.2152, 203.0371

218.5144,
193.6848, 248.7561

■ 23.7846, 17.2681,
26.8904

■ 23.7846, 17.2681,
26.8904

■ 22.1450, 14.6094,
24.4301

■ 25.7511, 20.5489,
29.5562

■ 20.8102, 12.5300,
22.1660

■ 28.0616, 24.4862,
32.4339

■ 19.7580, 10.9854,
20.0895

■ 30.7337, 29.1148,
35.5310

■ 18.9621, 9.9236,
18.1904

■ 33.7835, 34.4662,
38.8540

■ 18.3907, 9.2812,
16.4567

■ 37.2259, 40.5700,
42.4092

■ 18.1289, 9.0201,
15.5601

■ 41.0752, 47.4542,
46.2026

■ 45.3447, 55.1453,
50.2398

■ 50.0473, 63.6686,
54.5264

■ 55.1953, 73.0482,
59.0676

Harmonies

Analogous

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



21.1768, 17.2681, 38.9006



23.7846, 17.2681, 26.8904



24.2734, 17.2681, 15.8755

Triad

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



23.7846, 17.2681, 26.8904



15.3563, 17.2681, 5.2036



11.5824, 17.2681, 34.2804

Complementary

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



23.7846, 17.2681, 26.8904



20.6852, 30.0135, 20.9239

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.



10.4639, 17.2681, 22.0678



23.7846, 17.2681, 26.8904



12.4229, 17.2681, 7.1876

Square

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



23.7846, 17.2681, 26.8904



19.0362, 17.2681, 5.6784



10.7473, 17.2681, 12.5238



14.0422, 17.2681, 44.1420

Rectangle

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



23.7846, 17.2681, 26.8904



23.2710, 17.2681, 10.7250



10.7473, 17.2681, 12.5238



11.0548, 17.2681, 30.1647

Sweetspot

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



23.7851, 17.2689, 26.8907



56.4484, 54.0033, 65.2344



17.3973, 13.7486, 36.8593



12.1004, 11.3870, 13.9921



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.



23.7851, 17.2689, 26.8907



40.3353, 26.7397, 44.5646



21.5699, 16.3828, 15.2252



7.2648, 7.1624, 8.3809



13.9227, 6.9252, 12.0497



0.3129, 0.1537, 0.3604

Inverse Universe

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



23.7851, 17.2689, 26.8907



40.3353, 26.7397, 44.5646



23.1454, 30.9976, 33.8791



7.2648, 7.1624, 8.3809



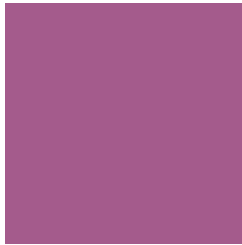
13.9227, 6.9252, 12.0497



0.3129, 0.1537, 0.3604

Previews

White Background



This preview shows how the XYZ color 23.7846, 17.2681, 26.8904 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 23.7846, 17.2681, 26.8904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

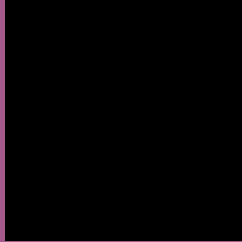
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.7846, 17.2681, 26.8904

Background



This preview shows how black text looks on a background with the XYZ color 23.7846, 17.2681, 26.8904.



This preview shows how white text looks on a background with the XYZ color 23.7846, 17.2681,

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

23.7846, 17.2681, 26.8904

Protanopia

17.8120, 17.4120, 34.3203

Deuteranopia

17.6852, 17.3697, 25.7131



Tritanopia

21.4147, 17.2289, 15.5614

Trichromacy



Original Color

23.7846, 17.2681, 26.8904

Protanomaly

19.3441, 16.9781, 31.5357

Deuteranomaly

19.3984, 16.9776, 25.9215

Tritanomaly

22.0602, 17.0695, 19.2716

Monochromacy



Original Color

23.7846, 17.2681, 26.8904

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

19.1201, 17.3824, 22.0861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7846, 17.2681, 26.8904 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, 91, 140)` looks like.

```
.text, #text, p{  
    color:rgb(164, 91, 140)  
}
```

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, 91, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 91, 140) }
```

Border

The CSS property to change the border of an element to XYZ 23.7846, 17.2681, 26.8904 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, 91, 140) }
```


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

```
.border{ border-color:rgb(164, 91, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 91, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 91, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 91, 140);  
box-shadow:4px 4px 4px 4px rgb(164, 91,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7846, 17.2681, 26.8904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 91, 140) }
```

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

```
.background{ background-color: rgb(164, 91,  
140) }
```

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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