

Converting Colors

XYZ(17.5427, 23.4156, 7.7164)

Have a look what the booklet for
XYZ(17.5427, 23.4156, 7.7164)
contains.

XYZ(17.5326, 23.3066, 7.7122)	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(17.5326, 23.3066,
7.7122)**

Conversions

Conversions Part 1

Format	Color
Hex	738E3B
RGB	115, 142, 59
RGB Percent	45%, 56%, 23%
CMY	0.5490, 0.4431, 0.7686
CMYK	0.19, 0.00, 0.58, 0.44
HSL	80°, 41%, 39%
HSV	80°, 58%, 56%
XYZ	17.5326, 23.3066, 7.7122
YIQ	124.4650, 10.5510, -31.5370

Conversions

Conversions Part 2

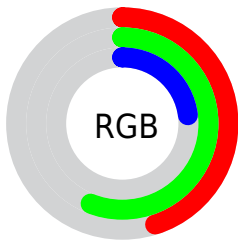
Format	Color
RYB	59, 142, 86
Decimal	7573051
CIELab	55.39, -23.08, 40.33
CIELCh	55, 46.466, 119.778
Yxy	23.3066, 0.3611, 0.4800
Android (android.graphics.Color)	4285763131 (0xFF738E3B)
YUV	124.4650, -32.2742, -8.3008
Hunter-Lab	48.2769, -19.6592, 24.3223

Details

The XYZ color **17.5326, 23.3066, 7.7122** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.2852, 7.0600, 26.4132**, and the grayscale version is **19.4161, 20.4273, 22.2453**.

A 20% lighter version of the original color is **38.8624, 49.0190, 21.8813**, and **5.9744, 8.7574, 1.5478** is the 20% darker color. If you saturate the color by 10%, you get **16.6211, 22.8744, 6.0018**, and if you desaturate by 10%, it is **18.5759, 23.7967, 9.9528**.

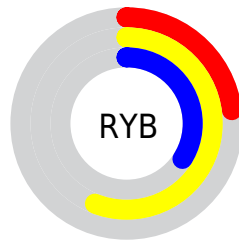
Distribution



Red (45%)

Green (56%)

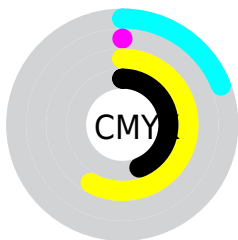
Blue (23%)



Red (23%)

Yellow (56%)

Blue (34%)

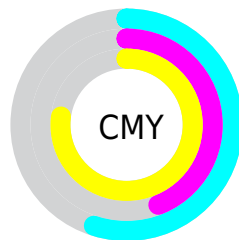


Cyan (19%)

Magenta (0%)

Yellow (58%)

Black (44%)



Cyan (55%)


Magenta (44%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.5326, 23.3066, 7.7122 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 17.5326, 23.3066, 7.7122 by changing the saturation by 10% instead.


 17.5326, 23.3066,
7.7122


 17.5326, 23.3066,
7.7122


231.3201,
269.2959, 183.3064

 10.7126, 14.8201,
3.8262


 38.7756, 48.8963,
21.9291


 5.9398, 8.6932,
1.5305


 53.9293, 66.7682,
33.0970


 2.8488, 4.5416,
0.2405

 72.5917, 88.5374,
47.5294

 1.0743, 1.9809,
0.0000

 95.1280, 114.5882,
65.6447

 0.0035, 0.5963,
0.0000

 121.9036,
145.3051, 87.8616

 0.0000, 0.0000,
0.0000

 153.2840,

181.0724, 114.5984

189.6343,
222.2745, 146.2739

■ 17.5326, 23.3066,
7.7122

■ 17.5326, 23.3066,
7.7122

■ 16.6211, 22.8744,
6.0018

■ 18.5759, 23.7967,
9.9528

■ 15.8309, 22.4933,
4.7762

■ 19.7572, 24.3447,
12.7611

■ 15.1525, 22.1604,
3.9848

■ 21.0841, 24.9546,
16.1729

■ 14.5643, 21.8669,
3.5163

■ 22.5632, 25.6291,
20.2209

■ 14.4767, 21.8232,
3.4493

■ 24.2008, 26.3706,
24.9350

■ 26.0024, 27.1816,
30.3436

■ 27.9736, 28.0641,
36.4732

■ 30.1195, 29.0204,
43.3491

■ 32.4451, 30.0524,
50.9952

Harmonies

Analogous

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



22.1911, 23.3066, 6.1209



17.5326, 23.3066, 7.7122



14.5630, 23.3066, 13.4850

Triad

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



17.5326, 23.3066, 7.7122



17.4750, 23.3066, 59.1939



33.7795, 23.3066, 25.4885

Complementary

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



17.5326, 23.3066, 7.7122



10.2852, 7.0600, 26.4132

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.



32.0045, 23.3066, 42.7671



17.5326, 23.3066, 7.7122



22.1134, 23.3066, 66.3336

Square

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



17.5326, 23.3066, 7.7122



14.5336, 23.3066, 42.4945



27.5194, 23.3066, 59.3900



32.0542, 23.3066, 13.6119

Rectangle

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



17.5326, 23.3066, 7.7122



13.6710, 23.3066, 20.6105



27.5194, 23.3066, 59.3900



33.5690, 23.3066, 30.8268

Sweetspot

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



17.5332, 23.3076, 7.7127



39.8071, 45.2018, 35.7145



15.2165, 12.6090, 5.7698



8.7338, 10.0245, 7.5380



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



17.5332, 23.3076, 7.7127



28.8678, 40.1236, 9.8476



13.3039, 21.1274, 7.5148



5.6713, 6.1987, 5.7869



13.0170, 19.6031, 3.0977



0.1476, 0.1994, 0.0307

Inverse Universe

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



10.2852, 7.0600, 26.4132



14.8982, 8.7195, 46.0257



15.1675, 9.5769, 26.6417



5.2846, 5.3349, 6.7800



5.4212, 2.2883, 23.1330



0.0731, 0.0328, 0.2222

Previews

White Background



This preview shows how the XYZ color 17.5326, 23.3066, 7.7122 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 17.5326, 23.3066, 7.7122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

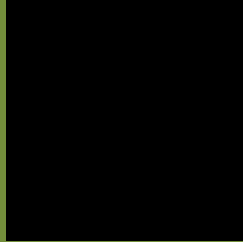
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.5326, 23.3066, 7.7122

Background



This preview shows how black text looks on a background with the XYZ color 17.5326, 23.3066, 7.7122.



This preview shows how white text looks on a background with the XYZ color 17.5326, 23.3066,

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

17.5326, 23.3066, 7.7122

Protanopia

21.1340, 23.2636, 7.1178

Deuteranopia

23.4905, 23.0784, 8.0670



Tritanopia

21.8790, 23.1486, 29.7005

Trichromacy



Original Color

17.5326, 23.3066, 7.7122

Protanomaly

19.5344, 23.0546, 7.2913

Deuteranomaly

20.9748, 22.9613, 7.8839

Tritanomaly

19.6700, 22.8655, 18.9996

Monochromacy



Original Color

17.5326, 23.3066, 7.7122

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.3017, 21.2176, 15.1874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5326, 23.3066, 7.7122 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(115, 142, 59)` looks like.

```
.text, #text, p{  
    color:rgb(115, 142, 59)  
}
```

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(115, 142, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 142, 59) }
```

Border

The CSS property to change the border of an element to XYZ 17.5326, 23.3066, 7.7122 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(115, 142, 59) }
```


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

```
.border{ border-color:rgb(115, 142, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 142, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 142, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 142, 59);  
box-shadow:4px 4px 4px 4px rgb(115, 142,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5326, 23.3066, 7.7122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 142, 59) }
```

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

```
.background{ background-color: rgb(115,  
142, 59) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor