

Converting Colors

XYZ(4.9937, 12.0171, 3.6872)

Have a look what the booklet for
XYZ(4.9937, 12.0171, 3.6872)
contains.

XYZ(6.6797, 12.8500, 3.7973)	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(6.6797, 12.8500,
3.7973)**

Conversions

Conversions Part 1

Format	Color
Hex	007524
RGB	0, 117, 36
RGB Percent	0%, 46%, 14%
CMY	1.0000, 0.5412, 0.8588
CMYK	1.00, 0.00, 0.69, 0.54
HSL	138°, 100%, 23%
HSV	138°, 100%, 46%
XYZ	6.6797, 12.8500, 3.7973
YIQ	72.7830, -43.7310, -49.9950

Conversions

Conversions Part 2

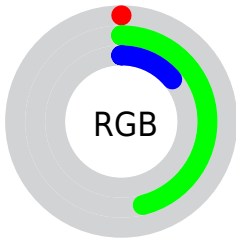
Format	Color
RYB	0, 89, 117
Decimal	29988
CIELab	42.54, -45.98, 35.58
CIELCh	43, 58.136, 142.263
Yxy	12.8500, 0.2864, 0.5509
Android (android.graphics.Color)	4278220068 (0xFF007524)
YUV	72.7830, -18.1340, -63.8307
Hunter-Lab	35.8469, -29.4704, 18.8122

Details

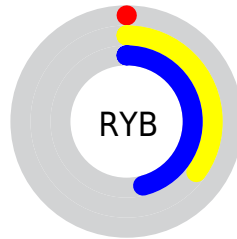
The XYZ color **6.6797, 12.8500, 3.7973** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **8.8217, 4.3762, 8.1643**, and the grayscale version is **6.3314, 6.6611, 7.2539**.

A 20% lighter version of the original color is **18.9949, 30.9418, 13.5656**, and **2.0072, 4.0143, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **6.6801, 12.8506, 3.7976**, and if you desaturate by 10%, it is **6.9656, 12.9818, 4.5316**.

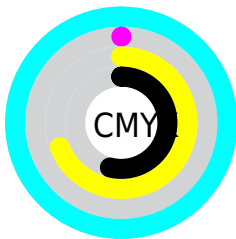
Distribution



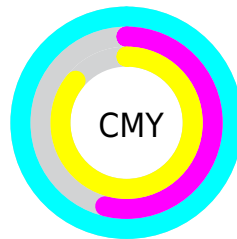
- Red (0%)
- Green (46%)
- Blue (14%)



- Red (0%)
- Yellow (35%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 6.6797, 12.8500, 3.7973 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 6.6797, 12.8500, 3.7973 by changing the saturation by 10% instead.


 6.6797, 12.8500,
3.7973


 6.6797, 12.8500,
3.7973


159.5786,
209.9541, 145.9450


 3.3071, 7.3253,
1.5148


 19.0370, 31.0340,
13.5395


 1.3182, 3.6664,
0.2289

 28.7525, 44.4622,
21.8363


 0.1968, 1.4887,
0.0000

 41.3131, 61.2937,
32.9750

 0.0000, 0.2808,
0.0000

 57.0840, 81.9128,
47.3740

 0.0000, 0.0000,
0.0000

 76.4306, 106.7040,
65.4520

 99.7184, 136.0517,

87.6275

127.3126,
170.3403, 114.3190

6.6797, 12.8500,
3.7973

6.6797, 12.8500,
3.7973

6.6801, 12.8506,
3.7976

6.9656, 12.9818,
4.5316

7.3486, 13.1598,
5.4256

7.8818, 13.4117,
6.4903

8.5804, 13.7451,
7.7343

9.4578, 14.1666,
9.1654

■ 10.5259, 14.6823,
10.7910

■ 11.7953, 15.2977,
12.6180

■ 13.2763, 16.0176,
14.6532

■ 14.9779, 16.8468,
16.9028

Harmonies

Analogous

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



9.2861, 12.8500, 1.4242



6.6797, 12.8500, 3.7973



5.6126, 12.8500, 10.9823

Triad

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



6.6797, 12.8500, 3.7973



11.1118, 12.8500, 54.2269



21.8111, 12.8500, 6.6849

Complementary

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



6.6797, 12.8500, 3.7973



8.8217, 4.3762, 8.1643

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.



22.6345, 12.8500, 17.5055



6.6797, 12.8500, 3.7973



15.6993, 12.8500, 50.4158

Square

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



6.6797, 12.8500, 3.7973



7.7408, 12.8500, 43.1456



20.1805, 12.8500, 34.6200



18.1436, 12.8500, 2.2582

Rectangle

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



6.6797, 12.8500, 3.7973



5.6818, 12.8500, 19.7809



20.1805, 12.8500, 34.6200



22.4603, 12.8500, 9.4587

Sweetspot

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



6.6801, 12.8506, 3.7976



20.9316, 27.3004, 22.3275



9.8327, 14.5126, 2.2830



4.6331, 6.1898, 4.8785



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



6.6801, 12.8506, 3.7976



11.9059, 22.9883, 6.5074



8.3641, 13.5242, 12.6659



3.6827, 4.1151, 4.1633



7.3532, 14.1553, 4.1501



35.4904, 68.8434, 18.4195

Inverse Universe

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



8.8217, 4.3762, 8.1643



15.7343, 7.8113, 14.2925



7.4952, 3.8456, 1.1790



3.7809, 3.7397, 4.3732



9.7120, 4.8185, 8.9578



46.9317, 23.3228, 41.5654

Previews

White Background



This preview shows how the XYZ color 6.6797, 12.8500, 3.7973 looks on a white background.

Color Contrast Check

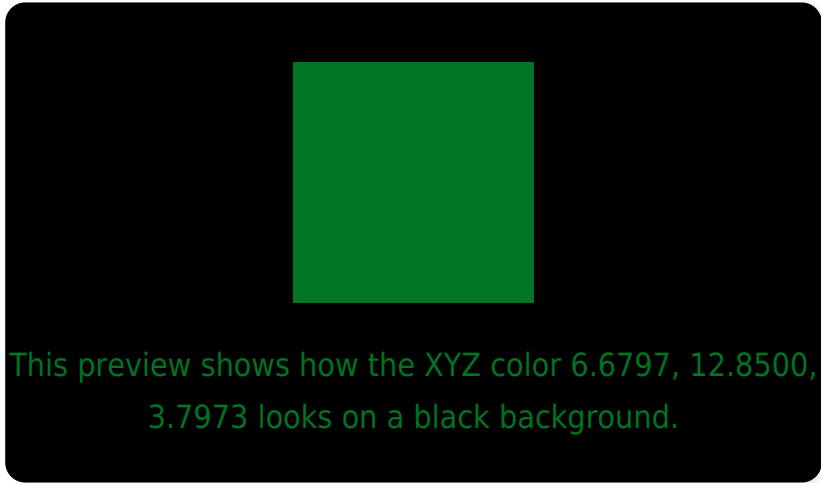
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 6.6797, 12.8500, 3.7973

Background



This preview shows how black text looks on a background with the XYZ color 6.6797, 12.8500, 3.7973.



This preview shows how white text looks on a background with the XYZ color 6.6797, 12.8500,

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

6.6797, 12.8500, 3.7973

Protanopia

11.5000, 12.6634, 3.2047

Deuteranopia

12.8404, 12.6439, 4.0493



Tritanopia

9.9576, 12.8737, 19.0996

Trichromacy



Original Color

6.6797, 12.8500, 3.7973



Protanomaly

8.0271, 11.7575, 3.2852



Deuteranomaly

8.4577, 11.5160, 3.7845



Tritanomaly

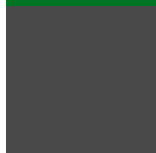
8.1207, 12.5842, 11.2335

Monochromacy



Original Color

6.6797, 12.8500, 3.7973



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

5.5147, 8.0518, 5.5385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.6797, 12.8500, 3.7973 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(0, 117, 36)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 36)  
}
```

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(0, 117, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 36) }
```

Border

The CSS property to change the border of an element to XYZ 6.6797, 12.8500, 3.7973 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(0, 117, 36) }
```


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

```
.border{ border-color:rgb(0, 117, 36) }
```

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

Here you see how a box with a 4 pixel rgb(0, 117, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 36);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 36)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.6797, 12.8500, 3.7973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 36) }
```

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

```
.background{ background-color: rgb(0, 117,  
36) }
```

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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