

Converting Colors

XYZ(7.9493, 12.1824, 8.3047)

Have a look what the booklet for
XYZ(7.9493, 12.1824, 8.3047)
contains.

XYZ(7.9508, 12.2372, 8.2463)	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(7.9508, 12.2372,
8.2463)**

Conversions

Conversions Part 1

Format	Color
Hex	2F6E49
RGB	47, 110, 73
RGB Percent	18%, 43%, 29%
CMY	0.8157, 0.5686, 0.7137
CMYK	0.57, 0.00, 0.34, 0.57
HSL	145°, 40%, 31%
HSV	145°, 57%, 43%
XYZ	7.9508, 12.2372, 8.2463
YIQ	86.9450, -25.6710, -24.8630

Conversions

Conversions Part 2

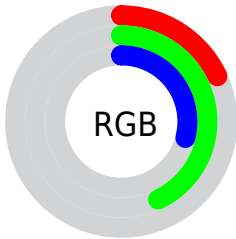
Format	Color
RYB	47, 92, 110
Decimal	3108425
CIELab	41.59, -29.56, 14.68
CIELCh	42, 33.006, 153.599
Yxy	12.2372, 0.2796, 0.4304
Android (android.graphics.Color)	4281298505 (0xFF2F6E49)
YUV	86.9450, -6.8749, -35.0318
Hunter-Lab	34.9817, -20.6477, 10.5107

Details

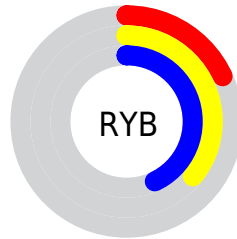
The XYZ color **7.9508, 12.2372, 8.2463** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.0475, 5.9884, 9.0669**, and the grayscale version is **9.0658, 9.5379, 10.3868**.

A 20% lighter version of the original color is **21.5788, 29.8985, 23.0460**, and **1.9444, 3.5340, 1.7420** is the 20% darker color. If you saturate the color by 10%, you get **7.3031, 11.9271, 7.1555**, and if you desaturate by 10%, it is **8.7493, 12.6231, 9.4609**.

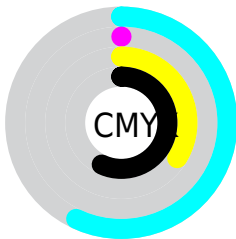
Distribution



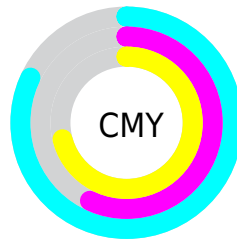
- Red (18%)
- Green (43%)
- Blue (29%)



- Red (18%)
- Yellow (36%)
- Blue (43%)



- Cyan (57%)
- Magenta (0%)
- Yellow (34%)
- Black (57%)





- Cyan (82%)
- Magenta (57%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.9508, 12.2372, 8.2463 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 7.9508, 12.2372, 8.2463 by changing the saturation by 10% instead.


 7.9508, 12.2372,
8.2463


 7.9508, 12.2372,
8.2463


169.7240,
205.9694, 187.6575


 4.1150, 6.9054,
4.1629


 21.5483, 29.9264,
22.9940


 1.7674, 3.4030,
1.7151


 32.0407, 43.0526,
34.4954


 0.4979, 1.3456,
0.3711

 45.4827, 59.5457,
49.3065

 0.0000, 0.1761,
0.0000

 62.2396, 79.7902,
67.8460

 0.0000, 0.0000,
0.0000

 82.6769, 104.1704,
90.5322

 107.1598,

133.0708, 117.7839

136.0537,
166.8756, 150.0194

■ 7.9508, 12.2372,
8.2463

■ 7.9508, 12.2372,
8.2463

■ 7.3031, 11.9271,
7.1555

■ 8.7493, 12.6231,
9.4609

■ 6.7948, 11.6861,
6.1836

■ 9.7071, 13.0882,
10.8023

■ 6.4142, 11.5084,
5.3267

■ 10.8331, 13.6372,
12.2744

■ 6.1300, 11.3782,
4.5793

■ 12.1353, 14.2744,
13.8807

■ 6.0575, 11.3448,
4.3934

■ 13.6213, 15.0034,
15.6246

■ 15.2980, 15.8277,
17.5092

■ 17.1721, 16.7509,
19.5378

■ 19.2498, 17.7760,
21.7133

■ 21.5373, 18.9062,
24.0386

Harmonies

Analogous

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



9.2480, 12.2372, 5.0384



7.9508, 12.2372, 8.2463



7.5881, 12.2372, 14.1757

Triad

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



7.9508, 12.2372, 8.2463



11.9247, 12.2372, 31.4707



15.9392, 12.2372, 7.2411

Complementary

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



7.9508, 12.2372, 8.2463



9.0475, 5.9884, 9.0669

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.



16.9030, 12.2372, 12.5075



7.9508, 12.2372, 8.2463



14.3919, 12.2372, 27.7384

Square

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



7.9508, 12.2372, 8.2463



9.6877, 12.2372, 29.1204



16.3012, 12.2372, 20.1487



13.8184, 12.2372, 4.6148

Rectangle

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



7.9508, 12.2372, 8.2463



7.8766, 12.2372, 19.3826



16.3012, 12.2372, 20.1487



16.4216, 12.2372, 8.6815

Sweetspot

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



7.9511, 12.2377, 8.2466



21.2671, 25.0461, 24.3233



9.8176, 13.2795, 4.7352



4.8705, 5.7899, 5.5654



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



7.9511, 12.2377, 8.2466



12.4797, 20.7811, 11.9335



9.2321, 12.7501, 14.9919



3.3968, 3.7839, 3.8961



7.2626, 13.6226, 5.2037



35.7701, 67.6967, 23.7726

Inverse Universe

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



9.0475, 5.9884, 9.0669



14.6088, 8.6052, 13.4969



8.0968, 5.6081, 4.0603



3.4590, 3.4313, 3.9436



8.8427, 4.4295, 6.2478



43.6130, 21.8905, 28.8241

Previews

White Background



This preview shows how the XYZ color 7.9508, 12.2372, 8.2463 looks on a white background.

Color Contrast Check

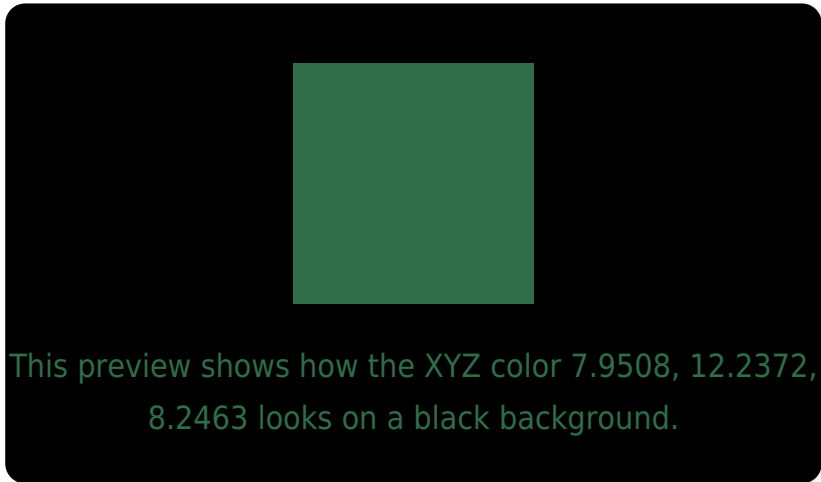
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.9508, 12.2372, 8.2463

Background



This preview shows how black text looks on a background with the XYZ color 7.9508, 12.2372, 8.2463.



This preview shows how white text looks on a background with the XYZ color 7.9508, 12.2372,

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

7.9508, 12.2372, 8.2463

Protanopia

11.2368, 12.1560, 7.2229

Deuteranopia

12.2817, 12.1186, 8.7130



Tritanopia

9.8358, 12.2252, 17.4641

Trichromacy



Original Color

7.9508, 12.2372, 8.2463

Protanomaly

9.5130, 11.8298, 7.5763

Deuteranomaly

10.0781, 11.8098, 8.5858

Tritanomaly

9.0378, 12.2095, 13.4356

Monochromacy



Original Color

7.9508, 12.2372, 8.2463

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.2877, 10.1713, 9.5091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.9508, 12.2372, 8.2463 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(47, 110, 73)` looks like.

```
.text, #text, p{  
    color:rgb(47, 110, 73)  
}
```

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(47, 110, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 110, 73) }
```

Border

The CSS property to change the border of an element to XYZ 7.9508, 12.2372, 8.2463 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(47, 110, 73) }
```


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

```
.border{ border-color:rgb(47, 110, 73) }
```

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

Here you see how a box with a 4 pixel rgb(47, 110, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 110, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 110, 73);  
box-shadow:4px 4px 4px 4px rgb(47, 110,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 7.9508, 12.2372, 8.2463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 110, 73) }
```

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

```
.background{ background-color: rgb(47, 110,  
73) }
```

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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