

Converting Colors

XYZ(16.6430, 24.8770, 12.2504)

Have a look what the booklet for
XYZ(16.6430, 24.8770, 12.2504)
contains.

XYZ(16.5973, 24.7995, 12.2995)	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(16.5973, 24.7995,
12.2995)**

Conversions

Conversions Part 1

Format	Color
Hex	579754
RGB	87, 151, 84
RGB Percent	34%, 59%, 33%
CMY	0.6588, 0.4078, 0.6706
CMYK	0.42, 0.00, 0.44, 0.41
HSL	117°, 29%, 46%
HSV	117°, 44%, 59%
XYZ	16.5973, 24.7995, 12.2995
YIQ	124.2260, -16.6370, -34.4050

Conversions

Conversions Part 2

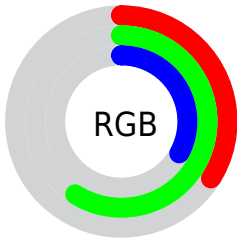
Format	Color
R_{YB}	84, 151, 148
Decimal	5740372
CIE _{Lab}	56.88, -34.67, 28.97
CIE _{LCh}	57, 45.179, 140.110
Yxy	24.7995, 0.3091, 0.4618
Android (android.graphics.Color)	4283930452 (0xFF579754)
YUV	124.2260, -19.8314, -32.6472
Hunter-Lab	49.7991, -27.6570, 20.2158

Details

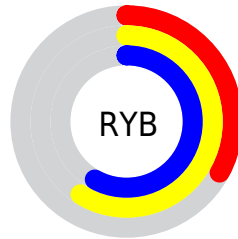
The XYZ color **16.5973, 24.7995, 12.2995** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.9701, 14.8717, 31.0447**, and the grayscale version is **19.3022, 20.3074, 22.1148**.

A 20% lighter version of the original color is **37.2597, 51.4673, 30.8921**, and **5.4555, 9.3973, 3.2766** is the 20% darker color. If you saturate the color by 10%, you get **14.8538, 23.9626, 9.4566**, and if you desaturate by 10%, it is **18.7386, 25.8283, 15.8277**.

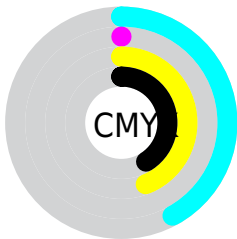
Distribution



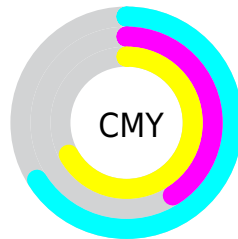
- Red (34%)
- Green (59%)
- Blue (33%)



- Red (33%)
- Yellow (59%)
- Blue (58%)



- Cyan (42%)
- Magenta (0%)
- Yellow (44%)
- Black (41%)



- Cyan (66%)
- Magenta (41%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5973, 24.7995, 12.2995 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 16.5973, 24.7995, 12.2995 by changing the saturation by 10% instead.

■ 16.5973, 24.7995,
12.2995

■ 16.5973, 24.7995,
12.2995

226.0427,
276.8380, 217.4259

■ 10.0413, 15.9277,
6.8230

■ 37.1812, 51.3318,
30.7119

■ 5.4888, 9.4730,
3.2749

■ 51.9399, 69.7611,
44.4849

■ 2.5745, 5.0510,
1.2366

■ 70.1634, 92.1450,
61.8605

■ 0.9330, 2.2772,
0.0090

■ 92.2173, 118.8680,
83.2572

■ 0.0000, 0.7616,
0.0000

■ 118.4668,
150.3143, 109.0935

■ 0.0000, 0.0000,
0.0000

149.2773,

186.8685, 139.7881

185.0141,
228.9149, 175.7594

■ 16.5973, 24.7995,
12.2995

■ 16.5973, 24.7995,
12.2995

■ 14.8538, 23.9626,
9.4566

■ 18.7386, 25.8283,
15.8277

■ 13.4820, 23.3027,
7.2529

■ 21.2983, 27.0564,
20.0799

■ 12.4554, 22.8081,
5.6395


■ 24.2977, 28.4947,
25.0939


■ 11.7431, 22.4641,
4.5596


■ 27.7559, 30.1525,
30.9044


■ 11.3087, 22.2533,
3.9434


■ 31.6913, 32.0384,
37.5440

 11.1517, 22.1778,
3.6930

 36.1209, 34.1605,
45.0434

 41.0610, 36.5267,
53.4318

 46.5273, 39.1444,
62.7371

 52.5346, 42.0206,
72.9857

Harmonies

Analogous

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



20.2445, 24.7995, 7.8470



16.5973, 24.7995, 12.2995



14.9047, 24.7995, 22.3026

Triad

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



16.5973, 24.7995, 12.2995



21.8673, 24.7995, 67.0594



34.4690, 24.7995, 18.1749

Complementary

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



16.5973, 24.7995, 12.2995



20.9701, 14.8717, 31.0447

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.



35.0767, 24.7995, 32.3201



16.5973, 24.7995, 12.2995



27.2437, 24.7995, 64.6265

Square

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



16.5973, 24.7995, 12.2995



17.6321, 24.7995, 56.0828



32.2673, 24.7995, 50.3195



30.7134, 24.7995, 10.2527

Rectangle

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



16.5973, 24.7995, 12.2995



14.9097, 24.7995, 32.4450



32.2673, 24.7995, 50.3195



35.0678, 24.7995, 22.2053

Sweetspot

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



16.5979, 24.8005, 12.3001



44.1589, 51.3384, 46.0223



24.8989, 28.2908, 12.5362



9.7654, 11.5384, 10.0054



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.5979, 24.8005, 12.3001



26.6868, 42.9539, 17.0749



17.7693, 25.2374, 19.8998



6.1565, 6.9381, 6.6206



9.4932, 18.8698, 3.1419



0.1479, 0.2852, 0.0473

Inverse Universe

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



20.9701, 14.8717, 31.0447



35.5159, 22.8715, 54.9764



19.3756, 14.2974, 19.7802



6.4339, 6.3096, 7.8077



14.5792, 6.9669, 25.4840



0.2252, 0.1079, 0.3813

Previews

White Background



This preview shows how the XYZ color 16.5973, 24.7995, 12.2995 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 16.5973, 24.7995, 12.2995 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 16.5973, 24.7995, 12.2995

Background



This preview shows how black text looks on a background with the XYZ color 16.5973, 24.7995, 12.2995.



This preview shows how white text looks on a background with the XYZ color 16.5973, 24.7995,

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

16.5973, 24.7995, 12.2995

Protanopia

22.5737, 24.5479, 10.7562

Deuteranopia

24.8901, 24.4731, 12.8631



Tritanopia

21.0220, 24.7447, 34.2401

Trichromacy



Original Color

16.5973, 24.7995, 12.2995

Protanomaly

19.5770, 24.0646, 11.2025

Deuteranomaly

20.8005, 24.0160, 12.5561

Tritanomaly

19.0652, 24.6295, 24.5180

Monochromacy



Original Color

16.5973, 24.7995, 12.2995

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

17.8410, 21.5338, 17.6841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5973, 24.7995, 12.2995 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(87, 151, 84)` looks like.

```
.text, #text, p{  
    color:rgb(87, 151, 84)  
}
```

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(87, 151, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 151, 84) }
```

Border

The CSS property to change the border of an element to XYZ 16.5973, 24.7995, 12.2995 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(87, 151, 84) }
```


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

```
.border{ border-color:rgb(87, 151, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 151, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 151, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 151, 84);  
box-shadow:4px 4px 4px 4px rgb(87, 151,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5973, 24.7995, 12.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 151, 84) }
```

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

```
.background{ background-color: rgb(87, 151,  
84) }
```

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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