

Converting Colors

XYZ(15.5448, 19.9915, 24.5122)

Have a look what the booklet for
XYZ(15.5448, 19.9915, 24.5122)
contains.

XYZ(15.5448, 19.9915, 24.5122)	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(15.5448, 19.9915,
24.5122)**

Conversions

Conversions Part 1

Format	Color
Hex	4D8583
RGB	77, 133, 131
RGB Percent	30%, 52%, 51%
CMY	0.6980, 0.4784, 0.4863
CMYK	0.42, 0.00, 0.02, 0.48
HSL	178°, 27%, 41%
HSV	178°, 42%, 52%
XYZ	15.5448, 19.9915, 24.5122
YIQ	116.0280, -32.7340, -12.4940

Conversions

Conversions Part 2

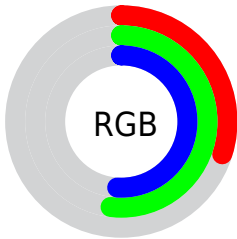
Format	Color
RYB	77, 106, 133
Decimal	5080451
CIELab	51.83, -18.93, -4.72
CIElCh	52, 19.507, 194.010
Yxy	19.9915, 0.2589, 0.3329
Android (android.graphics.Color)	4283270531 (0xFF4D8583)
YUV	116.0280, 7.3812, -34.2276
Hunter-Lab	44.7119, -16.1873, -1.2060

Details

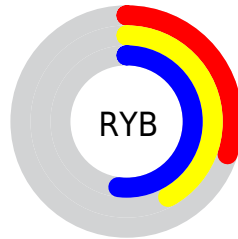
The XYZ color **15.5448, 19.9915, 24.5122** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.7387, 10.8593, 8.7697**, and the grayscale version is **16.5948, 17.4590, 19.0128**.

A 20% lighter version of the original color is **35.2639, 43.2456, 51.8360**, and **4.9929, 6.9899, 9.0687** is the 20% darker color. If you saturate the color by 10%, you get **14.5475, 19.4816, 24.2982**, and if you desaturate by 10%, it is **16.7629, 20.6162, 24.7382**.

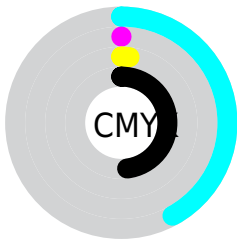
Distribution



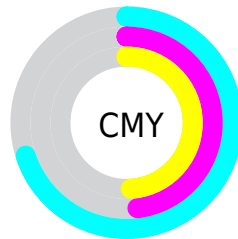
- Red (30%)
- Green (52%)
- Blue (51%)



- Red (30%)
- Yellow (42%)
- Blue (52%)



- Cyan (42%)
- Magenta (0%)
- Yellow (2%)
- Black (48%)



- Cyan (70%)
- Magenta (48%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5448, 19.9915, 24.5122 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 15.5448, 19.9915, 24.5122 by changing the saturation by 10% instead.

■ 15.5448, 19.9915,
24.5122

■ 15.5448, 19.9915,
24.5122

219.9641,
251.8691, 288.7694

■ 9.2914, 12.3889,
15.4983

■ 35.3700, 43.4029,
51.8190

■ 4.9904, 7.0091,
9.0194

■ 49.6725, 59.9805,
70.9490

■ 2.2763, 3.4678,
4.6568

■ 67.3888, 80.3185,
94.2881

■ 0.7825, 1.3806,
1.9922

■ 88.8842, 104.8014,
122.2549

■ 0.0000, 0.2023,
0.5504

■ 114.5241,
133.8135, 155.2679

■ 0.0000, 0.0000,
0.0000

144.6738,

167.7392, 193.7456

179.6987,
206.9630, 238.1066

■ 15.5448, 19.9915,
24.5122

■ 15.5448, 19.9915,
24.5122

■ 14.5475, 19.4816,
24.2982

■ 16.7629, 20.6162,
24.7382

■ 13.7558, 19.0771,
24.0941

■ 18.2123, 21.3596,
24.9754

■ 13.1552, 18.7712,
23.8997

■ 19.9051, 22.2285,
25.2247

■ 12.7289, 18.5551,
23.7143

■ 21.8518, 23.2284,
25.4867

■ 12.4569, 18.4185,
23.5368

■ 24.0626, 24.3643,
25.7619

■ 12.3006, 18.3408,
23.4000

■ 26.5470, 25.6412,
26.0506

■ 29.3139, 27.0637,
26.3533

■ 32.3719, 28.6363,
26.6704

■ 35.7293, 30.3633,
27.0023

Harmonies

Analogous

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



15.5746, 19.9915, 18.9025



15.5448, 19.9915, 24.5122



16.3950, 19.9915, 30.2463

Triad

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



15.5448, 19.9915, 24.5122



21.7682, 19.9915, 30.5790



20.0684, 19.9915, 12.8855

Complementary

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



15.5448, 19.9915, 24.5122



13.7387, 10.8593, 8.7697

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.



21.8702, 19.9915, 15.0426



15.5448, 19.9915, 24.5122



22.8971, 19.9915, 24.9080

Square

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



15.5448, 19.9915, 24.5122



19.9370, 19.9915, 34.1387



22.9356, 19.9915, 19.2355



18.0954, 19.9915, 12.8169

Rectangle

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



15.5448, 19.9915, 24.5122



17.3829, 19.9915, 33.0998



22.9356, 19.9915, 19.2355



20.7173, 19.9915, 13.3710

Sweetspot

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



15.5454, 19.9923, 24.5127



35.2602, 39.6080, 45.1164



13.0191, 19.0084, 10.0044



7.8066, 8.8529, 10.1446



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.5454, 19.9923, 24.5127



26.0420, 34.8818, 43.5095



12.6363, 13.9548, 24.2187



4.7946, 5.2761, 5.9297



11.7167, 17.4695, 22.2915



0.0411, 0.0607, 0.0802

Inverse Universe

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



13.7387, 10.8593, 8.7697



22.3347, 16.1282, 11.1959



15.7841, 15.0651, 9.0975



4.6788, 4.6912, 4.9210



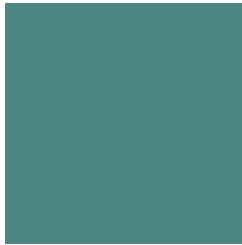
9.2391, 4.7600, 0.5653



0.0324, 0.0167, 0.0041

Previews

White Background



This preview shows how the XYZ color 15.5448, 19.9915, 24.5122 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 15.5448, 19.9915, 24.5122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

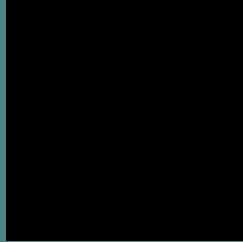
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.5448, 19.9915, 24.5122

Background



This preview shows how black text looks on a background with the XYZ color 15.5448, 19.9915, 24.5122.



This preview shows how white text looks on a background with the XYZ color 15.5448, 19.9915,

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

15.5448, 19.9915, 24.5122

Protanopia

19.1187, 19.7597, 22.2084

Deuteranopia

20.2255, 19.9000, 25.3293



Tritanopia

16.3071, 19.8911, 28.5711

Trichromacy



Original Color

15.5448, 19.9915, 24.5122

Protanomaly

17.4760, 19.6422, 22.9489

Deuteranomaly

18.1228, 19.7402, 25.0454

Tritanomaly

16.0632, 19.9998, 27.0585

Monochromacy



Original Color

15.5448, 19.9915, 24.5122

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.8902, 18.1243, 20.7500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5448, 19.9915, 24.5122 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(77, 133, 131)` looks like.

```
.text, #text, p{  
    color:rgb(77, 133, 131)  
}
```

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(77, 133, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 133, 131) }
```

Border

The CSS property to change the border of an element to XYZ 15.5448, 19.9915, 24.5122 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(77, 133, 131) }
```


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

```
.border{ border-color:rgb(77, 133, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 133, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 133, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 133, 131);  
box-shadow:4px 4px 4px 4px rgb(77, 133,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5448, 19.9915, 24.5122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 133, 131) }
```

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

```
.background{ background-color: rgb(77, 133,  
131) }
```

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