

Converting Colors

XYZ(15.7668, 20.4838, 24.3280)

Have a look what the booklet for
XYZ(15.7668, 20.4838, 24.3280)
contains.

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Color

**XYZ(15.7538, 20.5174,
24.2490)**

Conversions

Conversions Part 1

Format	Color
Hex	4D8782
RGB	77, 135, 130
RGB Percent	30%, 53%, 51%
CMY	0.6980, 0.4706, 0.4902
CMYK	0.43, 0.00, 0.04, 0.47
HSL	175°, 27%, 42%
HSV	175°, 43%, 53%
XYZ	15.7538, 20.5174, 24.2490
YIQ	117.0880, -32.9630, -13.8510

Conversions

Conversions Part 2

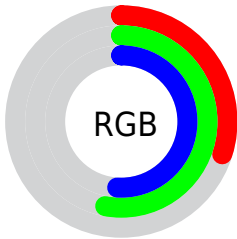
Format	Color
RYB	77, 107, 135
Decimal	5080962
CIELab	52.42, -20.25, -3.27
CIELCh	52, 20.510, 189.170
Yxy	20.5174, 0.2603, 0.3390
Android (android.graphics.Color)	4283271042 (0xFF4D8782)
YUV	117.0880, 6.3656, -35.1572
Hunter-Lab	45.2961, -17.1867, -0.0332

Details

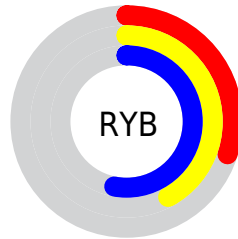
The XYZ color **15.7538, 20.5174, 24.2490** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.1692, 11.0685, 9.3731**, and the grayscale version is **16.9245, 17.8059, 19.3906**.

A 20% lighter version of the original color is **35.5837, 44.0525, 51.4273**, and **5.0871, 7.2732, 8.9203** is the 20% darker color. If you saturate the color by 10%, you get **14.6980, 19.9826, 23.7944**, and if you desaturate by 10%, it is **17.0378, 21.1707, 24.7198**.

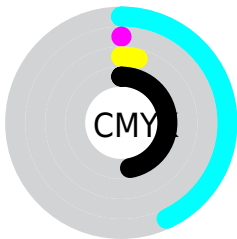
Distribution



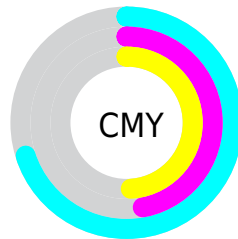
- Red (30%)
- Green (53%)
- Blue (51%)



- Red (30%)
- Yellow (42%)
- Blue (53%)



- Cyan (43%)
- Magenta (0%)
- Yellow (4%)
- Black (47%)



- Cyan (70%)
- Magenta (47%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7538, 20.5174, 24.2490 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 15.7538, 20.5174, 24.2490 by changing the saturation by 10% instead.

■ 15.7538, 20.5174,
24.2490

■ 15.7538, 20.5174,
24.2490

221.1836,
254.7025, 287.4039

■ 9.4398, 12.7717,
15.3045

■ 35.7312, 44.2830,
51.3851

■ 5.0886, 7.2715,
8.8844

■ 50.1253, 61.0716,
70.4139

■ 2.3346, 3.6325,
4.5701

■ 67.9435, 81.6434,
93.6411

■ 0.8123, 1.4702,
1.9430

■ 89.5512, 106.3826,
121.4855

■ 0.0000, 0.2676,
0.5199

■ 115.3137,
135.6738, 154.3653

■ 0.0000, 0.0000,
0.0000

145.5964,

169.9012, 192.6994

180.7645,
209.4493, 236.9060

■ 15.7538, 20.5174,
24.2490

■ 15.7538, 20.5174,
24.2490

■ 14.6980, 19.9826,
23.7944

■ 17.0378, 21.1707,
24.7198

■ 13.8546, 19.5567,
23.3539

■ 18.5610, 21.9468,
25.2060

■ 13.2083, 19.2323,
22.9272

■ 20.3360, 22.8526,
25.7086

■ 12.7414, 19.0003,
22.5134

■ 22.3740, 23.8938,
26.2282

■ 12.4327, 18.8497,
22.1117

■ 24.6854, 25.0759,
26.7652

■ 12.2621, 18.7677,
21.8338

■ 27.2800, 26.4038,
27.3202

■ 30.1672, 27.8826,
27.8936

■ 33.3561, 29.5167,
28.4858

■ 36.8552, 31.3106,
29.0973

Harmonies

Analogous

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



15.9401, 20.5174, 18.4472



15.7538, 20.5174, 24.2490



16.5137, 20.5174, 30.5382

Triad

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



15.7538, 20.5174, 24.2490



22.1857, 20.5174, 32.6467



20.9841, 20.5174, 13.1227

Complementary

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



15.7538, 20.5174, 24.2490



14.1692, 11.0685, 9.3731

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.



22.8288, 20.5174, 15.7584



15.7538, 20.5174, 24.2490



23.5567, 20.5174, 26.7451

Square

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



15.7538, 20.5174, 24.2490



20.1568, 20.5174, 35.9316



23.8001, 20.5174, 20.5338



18.8599, 20.5174, 12.6977

Rectangle

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



15.7538, 20.5174, 24.2490



17.4894, 20.5174, 33.9146



23.8001, 20.5174, 20.5338



21.6616, 20.5174, 13.7533

Sweetspot

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



15.7544, 20.5182, 24.2495



36.3046, 40.8659, 46.0074



13.5538, 19.6945, 10.1087



8.2547, 9.3860, 10.6132



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.7544, 20.5182, 24.2495



26.2861, 35.7664, 42.5934



13.2065, 14.8720, 25.0971



4.7848, 5.2721, 5.8778



11.3092, 17.3065, 20.1455



0.0404, 0.0605, 0.0765

Inverse Universe

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



14.1692, 11.0685, 9.3731



23.0459, 16.4147, 12.1583



15.9083, 14.8402, 9.0476



4.6877, 4.6948, 4.9677



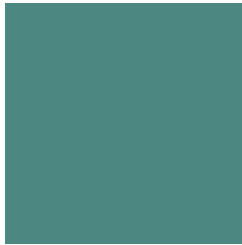
9.2752, 4.7744, 0.7559



0.0331, 0.0169, 0.0078

Previews

White Background



This preview shows how the XYZ color 15.7538, 20.5174, 24.2490 looks on a white background.

Color Contrast Check

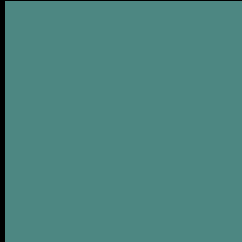
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7538, 20.5174, 24.2490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

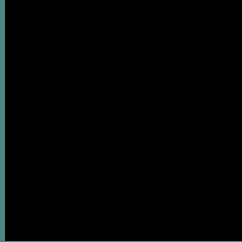
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7538, 20.5174, 24.2490

Background



This preview shows how black text looks on a background with the XYZ color 15.7538, 20.5174, 24.2490.



This preview shows how white text looks on a background with the XYZ color 15.7538, 20.5174,

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

15.7538, 20.5174, 24.2490

Protanopia

19.5981, 20.3826, 21.9701

Deuteranopia

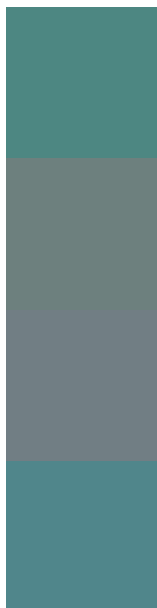
20.7439, 20.3547, 25.0258



Tritanopia

16.8149, 20.5380, 29.4635

Trichromacy



Original Color

15.7538, 20.5174, 24.2490

Protanomaly

17.7917, 20.1959, 22.6991

Deuteranomaly

18.4358, 20.0984, 24.7375

Tritanomaly

16.4936, 20.6197, 27.5368

Monochromacy



Original Color

15.7538, 20.5174, 24.2490

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.2000, 18.6452, 21.1574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7538, 20.5174, 24.2490 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, 135, 130)` looks like.

```
.text, #text, p{  
    color:rgb(77, 135, 130)  
}
```

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, 135, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 135, 130) }
```

Border

The CSS property to change the border of an element to XYZ 15.7538, 20.5174, 24.2490 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, 135, 130) }
```


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

```
.border{ border-color:rgb(77, 135, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 135, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 135, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 135, 130);  
box-shadow:4px 4px 4px 4px rgb(77, 135,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7538, 20.5174, 24.2490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 135, 130) }
```

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

```
.background{ background-color: rgb(77, 135,  
130) }
```

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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