

Converting Colors

XYZ(20.9895, 30.3570, 24.6056)

Have a look what the booklet for
XYZ(20.9895, 30.3570, 24.6056)
contains.

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Color

**XYZ(20.9673, 30.3479,
24.4913)**

Conversions

Conversions Part 1

Format	Color
Hex	55A57E
RGB	85, 165, 126
RGB Percent	33%, 65%, 49%
CMY	0.6667, 0.3529, 0.5059
CMYK	0.48, 0.00, 0.24, 0.35
HSL	151°, 32%, 49%
HSV	151°, 48%, 65%
XYZ	20.9673, 30.3479, 24.4913
YIQ	136.6340, -35.1610, -29.0890

Conversions

Conversions Part 2

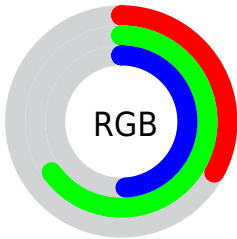
Format	Color
RYB	85, 138, 165
Decimal	5612926
CIELab	61.95, -33.89, 12.77
CIELCh	62, 36.217, 159.353
Yxy	30.3479, 0.2766, 0.4003
Android (android.graphics.Color)	4283803006 (0xFF55A57E)
YUV	136.6340, -5.2426, -45.2830
Hunter-Lab	55.0889, -28.4671, 12.2032

Details

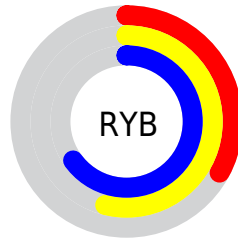
The XYZ color **20.9673, 30.3479, 24.4913** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **22.4046, 15.9522, 20.9680**, and the grayscale version is **23.6690, 24.9016, 27.1179**.

A 20% lighter version of the original color is **44.6406, 60.4565, 51.9643**, and **7.6126, 12.3710, 9.0078** is the 20% darker color. If you saturate the color by 10%, you get **19.1422, 29.4654, 21.8048**, and if you desaturate by 10%, it is **23.1851, 31.4296, 27.4154**.

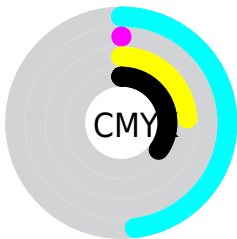
Distribution



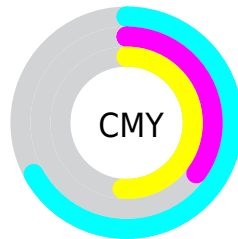
- Red (33%)
- Green (65%)
- Blue (49%)



- Red (33%)
- Yellow (54%)
- Blue (65%)



- Cyan (48%)
- Magenta (0%)
- Yellow (24%)
- Black (35%)



- Cyan (67%)
- Magenta (35%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9673, 30.3479, 24.4913 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 20.9673, 30.3479, 24.4913 by changing the saturation by 10% instead.

■ 20.9673, 30.3479,
24.4913

■ 20.9673, 30.3479,
24.4913

249.8397,
303.5227, 288.6611

■ 13.2124, 20.1028,
15.4829

■ 44.5248, 60.2119,
51.7846

■ 7.6530, 12.4698,
9.0086

■ 61.0581, 80.5996,
70.9066

■ 3.9236, 7.0645,
4.6499

■ 81.2483, 105.1370,
94.2368

■ 1.6590, 3.5025,
1.9882

■ 105.4607,
134.2085, 122.1939

■ 0.4304, 1.3993,
0.5480

134.0607,
168.1984, 155.1963

■ 0.0000, 0.2162,
0.0000

167.4136,

■ 0.0000, 0.0000,

207.4911, 193.6626

0.0000

205.8848,
252.4711, 238.0114

■ 20.9673, 30.3479,
24.4913

■ 20.9673, 30.3479,
24.4913

■ 19.1422, 29.4654,
21.8048

■ 23.1851, 31.4296,
27.4154

■ 17.6817, 28.7654,
19.3475

■ 25.8164, 32.7188,
30.5812

■ 16.5577, 28.2342,
17.1135


■ 28.8833, 34.2274,
33.9949


■ 15.7368, 27.8548,
15.0957


■ 32.4055, 35.9657,
37.6621


■ 15.1579, 27.5959,
13.2856


■ 36.4018, 37.9431,
41.5883

 15.0780, 27.5603,
13.0285

 40.8896, 40.1685,
45.7786

 45.8854, 42.6504,
50.2380

 51.4051, 45.3969,
54.9714

 57.4638, 48.4156,
59.9836

Harmonies

Analogous

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



23.3253, 30.3479, 16.3931



20.9673, 30.3479, 24.4913



20.5856, 30.3479, 37.5780

Triad

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



20.9673, 30.3479, 24.4913



30.3874, 30.3479, 67.0305



36.6749, 30.3479, 18.8346

Complementary

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



20.9673, 30.3479, 24.4913



22.4046, 15.9522, 20.9680

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.



39.0616, 30.3479, 28.8897



20.9673, 30.3479, 24.4913



35.1727, 30.3479, 58.3022

Square

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



20.9673, 30.3479, 24.4913



25.6793, 30.3479, 64.8738



38.4830, 30.3479, 43.3860



32.2602, 30.3479, 13.8201

Rectangle

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



20.9673, 30.3479, 24.4913



21.4548, 30.3479, 47.9439



38.4830, 30.3479, 43.3860



37.7623, 30.3479, 21.6028

Sweetspot

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



20.9681, 30.3491, 24.4920



53.6602, 62.2501, 62.9383



23.5532, 31.9274, 13.5158



11.4663, 13.4785, 13.4789



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.9681, 30.3491, 24.4920



34.1124, 52.6872, 38.7839



23.9939, 31.5595, 40.4257



7.1300, 7.9528, 8.2961



11.4316, 20.8590, 9.9892



0.2640, 0.4478, 0.3352

Inverse Universe

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



22.4046, 15.9522, 20.9680



36.9909, 23.8516, 31.7327



20.4060, 15.1528, 10.4439



7.2109, 7.1408, 8.0971



12.8717, 6.5047, 6.5148



0.2943, 0.1462, 0.2626

Previews

White Background



This preview shows how the XYZ color 20.9673, 30.3479, 24.4913 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.9673, 30.3479, 24.4913 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 ✓ Pass

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

XYZ 20.9673, 30.3479, 24.4913

Background



This preview shows how black text looks on a background with the XYZ color 20.9673, 30.3479, 24.4913.



This preview shows how white text looks on a background with the XYZ color 20.9673, 30.3479,

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

20.9673, 30.3479, 24.4913

Protanopia

28.1180, 30.0720, 21.4620

Deuteranopia

30.4968, 29.8297, 25.6231



Tritanopia

24.7743, 30.3162, 43.5756

Trichromacy



Original Color

20.9673, 30.3479, 24.4913

Protanomaly

24.5326, 29.6485, 22.5189

Deuteranomaly

25.6765, 29.2072, 25.0531

Tritanomaly

23.1755, 30.1835, 35.6149

Monochromacy



Original Color

20.9673, 30.3479, 24.4913

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.1386, 26.4124, 26.1216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9673, 30.3479, 24.4913 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(85, 165, 126)` looks like.

```
.text, #text, p{  
    color:rgb(85, 165, 126)  
}
```

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(85, 165, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 165, 126) }
```

Border

The CSS property to change the border of an element to XYZ 20.9673, 30.3479, 24.4913 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(85, 165, 126) }
```


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

```
.border{ border-color:rgb(85, 165, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 165, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 165, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 165, 126);  
box-shadow:4px 4px 4px 4px rgb(85, 165,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9673, 30.3479, 24.4913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 165, 126) }
```

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

```
.background{ background-color: rgb(85, 165,  
126) }
```

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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