

Converting Colors

XYZ(19.8820, 30.3301, 24.4539)

Have a look what the booklet for
XYZ(19.8820, 30.3301, 24.4539)
contains.

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Color

**XYZ(19.8994, 30.3371,
24.5455)**

Conversions

Conversions Part 1

Format	Color
Hex	43A77E
RGB	67, 167, 126
RGB Percent	26%, 65%, 49%
CMY	0.7372, 0.3451, 0.5059
CMYK	0.60, 0.00, 0.25, 0.35
HSL	155°, 43%, 46%
HSV	155°, 60%, 65%
XYZ	19.8994, 30.3371, 24.5455
YIQ	132.4260, -46.4390, -33.9510

Conversions

Conversions Part 2

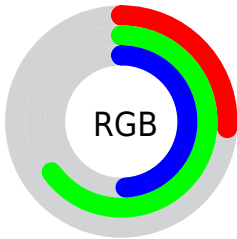
Format	Color
RYB	67, 130, 167
Decimal	4433790
CIELab	61.94, -39.07, 12.66
CIELCh	62, 41.071, 162.040
Yxy	30.3371, 0.2661, 0.4057
Android (android.graphics.Color)	4282623870 (0xFF43A77E)
YUV	132.4260, -3.1680, -57.3786
Hunter-Lab	55.0791, -31.8986, 12.1334

Details

The XYZ color **19.8994, 30.3371, 24.5455** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.6514, 13.3133, 15.6700**, and the grayscale version is **22.1099, 23.2614, 25.3316**.

A 20% lighter version of the original color is **42.8365, 60.3151, 52.0321**, and **7.3569, 12.5704, 9.0598** is the 20% darker color. If you saturate the color by 10%, you get **18.4887, 29.6600, 22.2518**, and if you desaturate by 10%, it is **21.6721, 31.1990, 27.0154**.

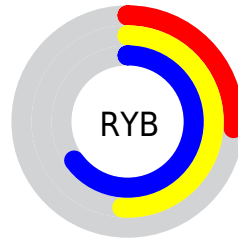
Distribution



Red (26%)

Green (65%)

Blue (49%)



Red (26%)

Yellow (51%)

Blue (65%)

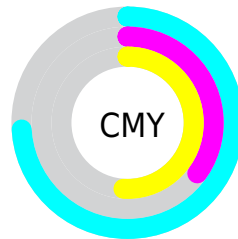


Cyan (60%)

Magenta (0%)

Yellow (25%)

Black (35%)



Cyan (74%)

Magenta (35%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8994, 30.3371, 24.5455 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 19.8994, 30.3371, 24.5455 by changing the saturation by 10% instead.

■ 19.8994, 30.3371,
24.5455

■ 19.8994, 30.3371,
24.5455

244.2139,
303.4726, 288.9417

■ 12.4298, 20.0946,
15.5228

■ 42.7537, 60.1949,
51.8739

■ 7.1114, 12.4638,
9.0365

■ 58.8691, 80.5789,
71.0166

■ 3.5788, 7.0604,
4.6678

■ 78.5971, 105.1123,
94.3699

■ 1.4667, 3.4999,
1.9984

■ 102.3031,
134.1794, 122.3521

■ 0.3030, 1.3980,
0.5543

■ 130.3524,
168.1646, 155.3819

■ 0.0000, 0.2152,
0.0000

163.1104,

■ 0.0000, 0.0000,

207.4522, 193.8777

0.0000

200.9425,
252.4268, 238.2581

■ 19.8994, 30.3371,
24.5455

■ 19.8994, 30.3371,
24.5455

■ 18.4887, 29.6600,
22.2518

■ 21.6721, 31.1990,
27.0154

■ 17.4077, 29.1486,
20.1277

■ 23.8308, 32.2554,
29.6636

■ 16.6222, 28.7862,
18.1689

■ 26.4001, 33.5199,
32.4950

■ 16.0554, 28.5333,
16.3686

■ 29.4018, 35.0036,
35.5134

■ 16.0489, 28.5304,
16.3477

■ 32.8561, 36.7170,
38.7226

■ 36.7820, 38.6696,
42.1262

■ 41.1973, 40.8706,
45.7278

■ 46.1188, 43.3286,
49.5307

■ 51.5626, 46.0520,
53.5383

Harmonies

Analogous

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



22.3170, 30.3371, 15.2583



19.8994, 30.3371, 24.5455



19.6794, 30.3371, 39.7605

Triad

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



19.8994, 30.3371, 24.5455



31.0970, 30.3371, 72.3869



37.4229, 30.3371, 16.6187

Complementary

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



19.8994, 30.3371, 24.5455



20.6514, 13.3133, 15.6700

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.



40.4626, 30.3371, 27.1089



19.8994, 30.3371, 24.5455



36.5115, 30.3371, 61.0163

Square

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



19.8994, 30.3371, 24.5455



25.6950, 30.3371, 71.0294



40.1093, 30.3371, 43.2786



32.2198, 30.3371, 11.7862

Rectangle

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



19.8994, 30.3371, 24.5455



20.7672, 30.3371, 51.8445



40.1093, 30.3371, 43.2786



38.7597, 30.3371, 19.4294

Sweetspot

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



19.9002, 30.3383, 24.5462



53.5614, 63.1360, 64.4697



21.0986, 31.2741, 10.2352



11.6212, 13.9480, 14.0753



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.9002, 30.3383, 24.5462



32.3841, 52.7713, 38.5135



21.6317, 28.6663, 40.9537



7.6154, 8.4792, 8.9609



12.3051, 21.8408, 12.6395



0.3239, 0.5412, 0.4364

Inverse Universe

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



20.6514, 13.3133, 15.6700



33.8743, 19.4903, 21.2707



19.4892, 13.6991, 6.9277



7.6539, 7.5914, 8.4944



13.0273, 6.6196, 4.9555



0.3425, 0.1713, 0.2552

Previews

White Background



This preview shows how the XYZ color 19.8994, 30.3371, 24.5455 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 19.8994, 30.3371, 24.5455 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 19.8994, 30.3371, 24.5455

Background



This preview shows how black text looks on a background with the XYZ color 19.8994, 30.3371, 24.5455.



This preview shows how white text looks on a background with the XYZ color 19.8994, 30.3371,

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

19.8994, 30.3371, 24.5455

Protanopia

27.9013, 29.7333, 21.0982

Deuteranopia

30.2814, 29.7186, 25.6130



Tritanopia

23.9521, 30.3847, 44.6468

Trichromacy



Original Color

19.8994, 30.3371, 24.5455



Protanomaly

23.5690, 29.1587, 22.1553



Deuteranomaly

24.7064, 28.9470, 25.0540



Tritanomaly

22.2436, 30.2065, 36.5564

Monochromacy



Original Color

19.8994, 30.3371, 24.5455



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.3390, 25.0506, 24.8824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8994, 30.3371, 24.5455 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(67, 167, 126)` looks like.

```
.text, #text, p{  
    color:rgb(67, 167, 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(67, 167, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 167, 126) }
```

Border

The CSS property to change the border of an element to XYZ 19.8994, 30.3371, 24.5455 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(67, 167, 126) }
```


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

```
.border{ border-color:rgb(67, 167, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 167, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 167, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 167, 126);  
box-shadow:4px 4px 4px 4px rgb(67, 167,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8994, 30.3371, 24.5455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 167, 126) }
```

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

```
.background{ background-color: rgb(67, 167,  
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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