

Converting Colors

XYZ(19.8361, 30.6522, 27.0461)

Have a look what the booklet for
XYZ(19.8361, 30.6522, 27.0461)
contains.

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Color

**XYZ(19.7576, 30.4830,
27.0328)**

Conversions

Conversions Part 1

Format	Color
Hex	36A885
RGB	54, 168, 133
RGB Percent	21%, 66%, 52%
CMY	0.7882, 0.3412, 0.4784
CMYK	0.68, 0.00, 0.21, 0.34
HSL	162°, 51%, 44%
HSV	162°, 68%, 66%
XYZ	19.7576, 30.4830, 27.0328
YIQ	129.9240, -56.7090, -35.0530

Conversions

Conversions Part 2

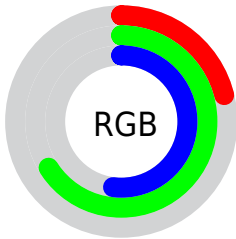
Format	Color
RYB	54, 121, 168
Decimal	3582085
CIELab	62.07, -40.31, 8.90
CIELCh	62, 41.285, 167.551
Yxy	30.4830, 0.2557, 0.3945
Android (android.graphics.Color)	4281772165 (0xFF36A885)
YUV	129.9240, 1.5165, -66.5853
Hunter-Lab	55.2114, -32.7431, 9.6182

Details

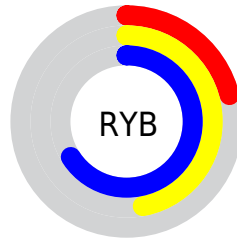
The XYZ color **19.7576, 30.4830, 27.0328** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **19.2718, 11.6852, 10.6921**, and the grayscale version is **21.2012, 22.3053, 24.2905**.

A 20% lighter version of the original color is **42.5888, 60.5013, 55.8876**, and **7.6921, 12.8860, 10.2654** is the 20% darker color. If you saturate the color by 10%, you get **18.6594, 29.9578, 25.1670**, and if you desaturate by 10%, it is **21.1864, 31.1781, 29.0068**.

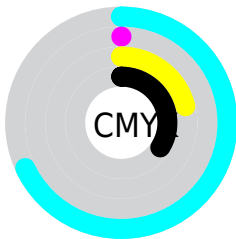
Distribution



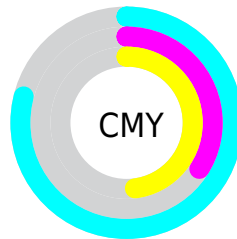
- Red (21%)
- Green (66%)
- Blue (52%)



- Red (21%)
- Yellow (47%)
- Blue (66%)



- Cyan (68%)
- Magenta (0%)
- Yellow (21%)
- Black (34%)



- Cyan (79%)
- Magenta (34%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7576, 30.4830, 27.0328 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 19.7576, 30.4830, 27.0328 by changing the saturation by 10% instead.

■ 19.7576, 30.4830,
27.0328

■ 19.7576, 30.4830,
27.0328

243.4585,
304.1494, 301.5811

■ 12.3262, 20.2055,
17.3652

■ 42.5175, 60.4252,
55.9409

■ 7.0400, 12.5445,
10.3305

■ 58.5766, 80.8586,
76.0184

■ 3.5337, 7.1156,
5.5102

■ 78.2424, 105.4462,
100.4031

■ 1.4419, 3.5345,
2.4857

■ 101.8802,
134.5723, 129.5133

■ 0.2858, 1.4168,
0.8326

■ 129.8554,
168.6212, 163.7677

■ 0.0000, 0.2290,
0.0000

162.5332,

■ 0.0000, 0.0000,

207.9775, 203.5847

0.0000

200.2792,
253.0254, 249.3830

■ 19.7576, 30.4830,
27.0328

■ 19.7576, 30.4830,
27.0328

■ 18.6594, 29.9578,
25.1670

■ 21.1864, 31.1781,
29.0068

■ 17.8554, 29.5815,
23.4044

■ 22.9724, 32.0546,
31.0895

■ 17.2902, 29.3264,
21.7417

■ 25.1423, 33.1269,
33.2840

■ 17.1801, 29.2771,
21.3971

■ 27.7194, 34.4070,
35.5927

■ 30.7253, 35.9061,
38.0178

■ 34.1799, 37.6342,
40.5614

■ 38.1017, 39.6011,
43.2255

■ 42.5085, 41.8158,
46.0120

■ 47.4168, 44.2868,
48.9229

Harmonies

Analogous

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



21.7953, 30.4830, 16.5505



19.7576, 30.4830, 27.0328



19.9486, 30.4830, 43.2787

Triad

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



19.7576, 30.4830, 27.0328



32.3094, 30.4830, 71.6560



36.7831, 30.4830, 15.3708

Complementary

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



19.7576, 30.4830, 27.0328



19.2718, 11.6852, 10.6921

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.



40.3766, 30.4830, 24.8066



19.7576, 30.4830, 27.0328



37.5758, 30.4830, 58.3657

Square

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



19.7576, 30.4830, 27.0328



26.7346, 30.4830, 72.8378



40.6839, 30.4830, 40.2194



31.3334, 30.4830, 11.4084

Rectangle

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



19.7576, 30.4830, 27.0328



21.3143, 30.4830, 55.5010



40.6839, 30.4830, 40.2194



38.2768, 30.4830, 17.8398

Sweetspot

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



19.7584, 30.4842, 27.0335



54.3083, 64.4328, 67.8610



18.8956, 30.4516, 8.3723



11.5121, 13.8815, 14.5315



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.



19.7584, 30.4842, 27.0335



33.1209, 54.0129, 44.1632



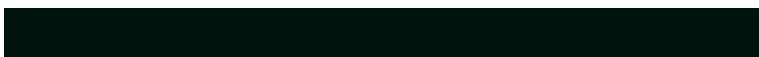
19.0394, 24.5111, 40.7748



7.6480, 8.4922, 9.1325



12.9969, 22.1175, 16.2822



0.3375, 0.5466, 0.5081

Inverse Universe

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



19.2718, 11.6852, 10.6921



32.2408, 17.5874, 12.8116



19.3246, 13.6106, 5.0991



7.6224, 7.5788, 8.3289



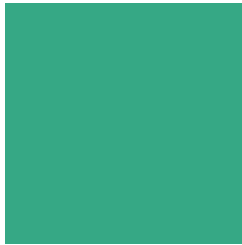
12.6763, 6.4792, 3.1067



0.3310, 0.1667, 0.1946

Previews

White Background



This preview shows how the XYZ color 19.7576, 30.4830, 27.0328 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 19.7576, 30.4830, 27.0328 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 19.7576, 30.4830, 27.0328

Background



This preview shows how black text looks on a background with the XYZ color 19.7576, 30.4830, 27.0328.

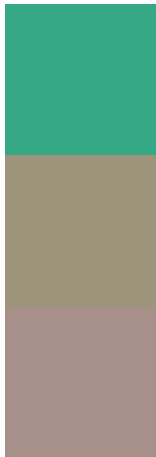


This preview shows how white text looks on a background with the XYZ color 19.7576, 30.4830,

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

19.7576, 30.4830, 27.0328

Protanopia

28.2272, 30.0931, 23.0597

Deuteranopia

30.4971, 29.9970, 28.2274



Tritanopia

23.3307, 30.3135, 45.1789

Trichromacy



Original Color

19.7576, 30.4830, 27.0328



Protanomaly

23.4650, 29.3023, 24.4978



Deuteranomaly

24.4394, 28.9957, 27.6012



Tritanomaly

21.8006, 30.2128, 37.9403

Monochromacy



Original Color

19.7576, 30.4830, 27.0328



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.5495, 24.4100, 25.1540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7576, 30.4830, 27.0328 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(54, 168, 133)` looks like.

```
.text, #text, p{  
    color:rgb(54, 168, 133)  
}
```

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(54, 168, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 168, 133) }
```

Border

The CSS property to change the border of an element to XYZ 19.7576, 30.4830, 27.0328 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(54, 168, 133) }
```


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

```
.border{ border-color:rgb(54, 168, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 168, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 168, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 168, 133);  
box-shadow:4px 4px 4px 4px rgb(54, 168,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7576, 30.4830, 27.0328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 168, 133) }
```

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

```
.background{ background-color: rgb(54, 168,  
133) }
```

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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