

Converting Colors

XYZ(20.0349, 27.7445, 22.8405)

Have a look what the booklet for
XYZ(20.0349, 27.7445, 22.8405)
contains.

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Color

**XYZ(20.0840, 27.8462,
22.7287)**

Conversions

Conversions Part 1

Format	Color
Hex	5D9D7A
RGB	93, 157, 122
RGB Percent	36%, 62%, 48%
CMY	0.6353, 0.3843, 0.5216
CMYK	0.41, 0.00, 0.22, 0.38
HSL	147°, 26%, 49%
HSV	147°, 41%, 62%
XYZ	20.0840, 27.8462, 22.7287
YIQ	133.8740, -26.9090, -24.4530

Conversions

Conversions Part 2

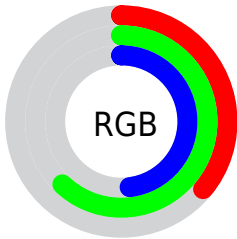
Format	Color
R_{YB}	93, 137, 157
Decimal	6135162
CIE _{Lab}	59.75, -28.70, 11.96
CIE _{LCh}	60, 31.089, 157.371
Yxy	27.8462, 0.2842, 0.3941
Android (android.graphics.Color)	4284325242 (0xFF5D9D7A)
YUV	133.8740, -5.8539, -35.8465
Hunter-Lab	52.7695, -24.4098, 11.4015

Details

The XYZ color **20.0840, 27.8462, 22.7287** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.7161, 16.5559, 22.4741**, and the grayscale version is **22.6422, 23.8213, 25.9414**.

A 20% lighter version of the original color is **43.0375, 56.2540, 48.6342**, and **7.1686, 11.0556, 8.0594** is the 20% darker color. If you saturate the color by 10%, you get **18.1465, 26.9069, 19.9828**, and if you desaturate by 10%, it is **22.3963, 28.9748, 25.7388**.

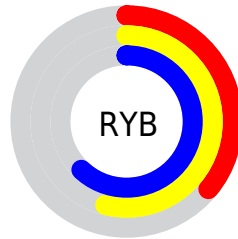
Distribution



Red (36%)

Green (62%)

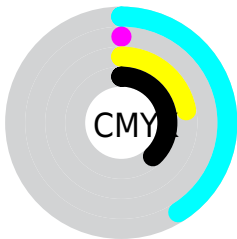
Blue (48%)



Red (36%)

Yellow (54%)

Blue (62%)

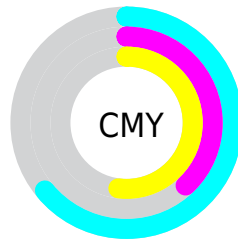


Cyan (41%)

Magenta (0%)

Yellow (22%)

Black (38%)



Cyan (64%)

Magenta (38%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0840, 27.8462, 22.7287 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 20.0840, 27.8462, 22.7287 by changing the saturation by 10% instead.

■ 20.0840, 27.8462,
22.7287

■ 20.0840, 27.8462,
22.7287

245.1944,
291.7313, 279.4051

■ 12.5647, 18.2098,
14.1899

■ 43.0608, 56.2388,
48.8650

■ 7.2044, 11.1007,
8.1126

■ 59.2491, 75.7637,
67.2996

■ 3.6377, 6.1346,
4.0783

■ 79.0578, 99.3536,
89.8698

■ 1.4993, 2.9271,
1.6684

■ 102.8522,
127.3929, 116.9943

■ 0.3254, 1.0938,
0.3389

130.9977,
160.2659, 149.0915

■ 0.0000, 0.0000,
0.0000

163.8597,

198.3570, 186.5800

201.8035,
242.0507, 229.8784

■ 20.0840, 27.8462,
22.7287

■ 20.0840, 27.8462,
22.7287

■ 18.1465, 26.9069,
19.9828

■ 22.3963, 28.9748,
25.7388

■ 16.5601, 26.1426,
17.4918

■ 25.1008, 30.2992,
29.0182

■ 15.3022, 25.5425,
15.2487


■ 28.2163, 31.8298,
32.5742


■ 14.3460, 25.0929,
13.2454


■ 31.7597, 33.5752,
36.4133

■ 13.6603, 24.7779,
11.4732


■ 35.7472, 35.5436,
40.5417

 13.1993, 24.5717,
10.0320

 40.1939, 37.7426,
44.9656

 45.1141, 40.1796,
49.6907

 50.5218, 42.8616,
54.7227

 56.4301, 45.7953,
60.0672

Harmonies

Analogous

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



22.1381, 27.8462, 16.1624



20.0840, 27.8462, 22.7287



19.6549, 27.8462, 33.1835

Triad

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



20.0840, 27.8462, 22.7287



27.4489, 27.8462, 57.2612



32.9414, 27.8462, 18.9848

Complementary

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



20.0840, 27.8462, 22.7287



21.7161, 16.5559, 22.4741

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.



34.6951, 27.8462, 27.6257



20.0840, 27.8462, 22.7287



31.3263, 27.8462, 50.9876

Square

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



20.0840, 27.8462, 22.7287



23.6634, 27.8462, 55.0179



34.0766, 27.8462, 39.4369



29.4837, 27.8462, 14.4039

Rectangle

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



20.0840, 27.8462, 22.7287



20.3048, 27.8462, 41.4037



34.0766, 27.8462, 39.4369



33.7646, 27.8462, 21.4147

Sweetspot

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



20.0848, 27.8473, 22.7293



49.6650, 56.5761, 57.3694



22.9659, 29.5102, 14.8418



10.7784, 12.3754, 12.4552



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.0848, 27.8473, 22.7293



32.7579, 48.3118, 36.1721



22.3881, 28.7687, 34.8588



6.6694, 7.4485, 7.6939



10.7381, 19.9632, 8.2436



0.2131, 0.3654, 0.2584

Inverse Universe

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



21.7161, 16.5559, 22.4741



36.0887, 25.2391, 35.6371



19.9403, 15.8456, 13.1226



6.7772, 6.7038, 7.6777



12.6717, 6.3732, 7.7879



0.2478, 0.1224, 0.2508

Previews

White Background



This preview shows how the XYZ color 20.0840, 27.8462, 22.7287 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 20.0840, 27.8462, 22.7287 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 20.0840, 27.8462, 22.7287

Background



This preview shows how black text looks on a background with the XYZ color 20.0840, 27.8462, 22.7287.



This preview shows how white text looks on a background with the XYZ color 20.0840, 27.8462,

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

20.0840, 27.8462, 22.7287

Protanopia

25.8659, 27.5581, 20.1756

Deuteranopia

27.9586, 27.4698, 23.5673



Tritanopia

23.3610, 27.6971, 39.2368

Trichromacy



Original Color

20.0840, 27.8462, 22.7287

Protanomaly

23.2200, 27.3131, 21.1877

Deuteranomaly

24.3083, 27.1347, 23.3584

Tritanomaly

21.9616, 27.6050, 32.6046

Monochromacy



Original Color

20.0840, 27.8462, 22.7287

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.3100, 24.8796, 24.7982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0840, 27.8462, 22.7287 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(93, 157, 122)` looks like.

```
.text, #text, p{  
    color:rgb(93, 157, 122)  
}
```

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(93, 157, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 157, 122) }
```

Border

The CSS property to change the border of an element to XYZ 20.0840, 27.8462, 22.7287 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(93, 157, 122) }
```


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

```
.border{ border-color:rgb(93, 157, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 157, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 157, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 157, 122);  
box-shadow:4px 4px 4px 4px rgb(93, 157,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0840, 27.8462, 22.7287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 157, 122) }
```

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

```
.background{ background-color: rgb(93, 157,  
122) }
```

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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