

Converting Colors

XYZ(20.2083, 26.9978, 27.5322)

Have a look what the booklet for
XYZ(20.2083, 26.9978, 27.5322)
contains.

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Color

**XYZ(20.2160, 27.0624,
27.4506)**

Conversions

Conversions Part 1

Format	Color
Hex	5A9A88
RGB	90, 154, 136
RGB Percent	35%, 60%, 53%
CMY	0.6470, 0.3961, 0.4667
CMYK	0.42, 0.00, 0.12, 0.40
HSL	163°, 26%, 48%
HSV	163°, 42%, 60%
XYZ	20.2160, 27.0624, 27.4506
YIQ	132.8120, -32.3660, -19.1660

Conversions

Conversions Part 2

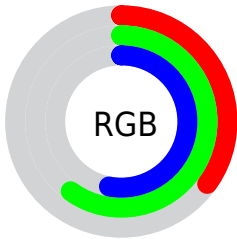
Format	Color
R _Y B	90, 127, 154
Decimal	5937800
CIE Lab	59.03, -24.95, 3.02
CIE LCh	59, 25.134, 173.099
Yxy	27.0624, 0.2705, 0.3621
Android (android.graphics.Color)	4284127880 (0xFF5A9A88)
YUV	132.8120, 1.5717, -37.5461
Hunter-Lab	52.0215, -21.6711, 5.1291

Details

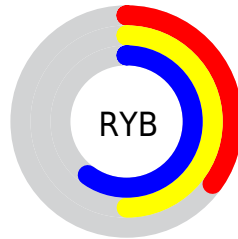
The XYZ color **20.2160, 27.0624, 27.4506** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.6903, 15.2658, 16.0973**, and the grayscale version is **22.2295, 23.3872, 25.4686**.

A 20% lighter version of the original color is **43.3135, 55.1147, 56.4995**, and **7.1940, 10.5679, 10.4648** is the 20% darker color. If you saturate the color by 10%, you get **18.5690, 26.2489, 25.7992**, and if you desaturate by 10%, it is **22.1874, 28.0431, 29.1833**.

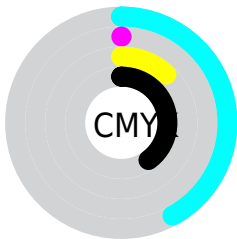
Distribution



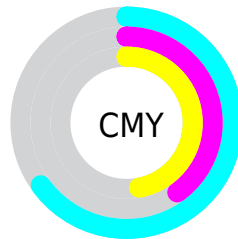
- Red (35%)
- Green (60%)
- Blue (53%)



- Red (35%)
- Yellow (50%)
- Blue (60%)



- Cyan (42%)
- Magenta (0%)
- Yellow (12%)
- Black (40%)



- Cyan (65%)
- Magenta (40%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2160, 27.0624, 27.4506 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 20.2160, 27.0624, 27.4506 by changing the saturation by 10% instead.

■ 20.2160, 27.0624,
27.4506

■ 20.2160, 27.0624,
27.4506

245.8934,
287.9591, 303.6612

■ 12.6613, 17.6201,
17.6765

■ 43.2802, 54.9840,
56.6186

■ 7.2711, 10.6776,
10.5510

■ 59.5205, 74.2320,
76.8496

■ 3.6801, 5.8505,
5.6554

■ 79.3866, 97.5175,
101.4033

■ 1.5228, 2.7544,
2.5713

■ 103.2440,
125.2247, 130.6982

■ 0.3413, 1.0049,
0.8776

131.4581,
157.7381, 165.1529

■ 0.0000, 0.0000,
0.0000

164.3941,

195.4420, 205.1859

202.4174,
238.7209, 251.2159

■ 20.2160, 27.0624,
27.4506

■ 20.2160, 27.0624,
27.4506

■ 18.5690, 26.2489,
25.7992

■ 22.1874, 28.0431,
29.1833

■ 17.2245, 25.5892,
24.2257

■ 24.4986, 29.1968,
30.9970

■ 16.1618, 25.0734,
22.7287


■ 27.1670, 30.5332,
32.8938


■ 15.3562, 24.6888,
21.3065


■ 30.2078, 32.0601,
34.8753


■ 14.7789, 24.4204,
19.9567


■ 33.6355, 33.7849,
36.9427

 14.4080, 24.2529,
18.8703

 37.4639, 35.7148,
39.0974

 41.7058, 37.8563,
41.3408

 46.3738, 40.2160,
43.6740

 51.4798, 42.7998,
46.0983

Harmonies

Analogous

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



21.2182, 27.0624, 20.3103



20.2160, 27.0624, 27.4506



20.5908, 27.0624, 36.7311

Triad

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



20.2160, 27.0624, 27.4506



28.1472, 27.0624, 48.2556



29.4934, 27.0624, 17.7554

Complementary

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



20.2160, 27.0624, 27.4506



19.6903, 15.2658, 16.0973

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.



31.6419, 27.0624, 23.2288



20.2160, 27.0624, 27.4506



30.8218, 27.0624, 41.0284

Square

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



20.2160, 27.0624, 27.4506



25.0082, 27.0624, 50.0169



32.1466, 27.0624, 31.5784



26.4493, 27.0624, 15.4932

Rectangle

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



20.2160, 27.0624, 27.4506



21.5870, 27.0624, 42.8280



32.1466, 27.0624, 31.5784



30.3540, 27.0624, 19.2203

Sweetspot

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



20.2168, 27.0635, 27.4512



48.9969, 55.2873, 59.5119



19.6025, 27.0470, 13.8609



10.9532, 12.4453, 13.3761



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.



20.2168, 27.0635, 27.4512



33.8821, 47.7560, 47.0275



19.4476, 23.3029, 34.0459



6.3104, 6.9969, 7.5582



11.7539, 19.7650, 15.4565



0.1910, 0.3016, 0.3113

Inverse Universe

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



19.6903, 15.2658, 16.0973



32.8018, 23.3205, 23.5610



20.1097, 17.4828, 11.9881



6.2767, 6.2498, 6.8371



11.2311, 5.7467, 2.4759



0.1820, 0.0915, 0.1111

Previews

White Background



This preview shows how the XYZ color 20.2160, 27.0624, 27.4506 looks on a white background.

Color Contrast Check

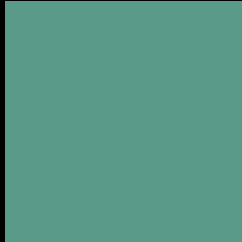
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2160, 27.0624, 27.4506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

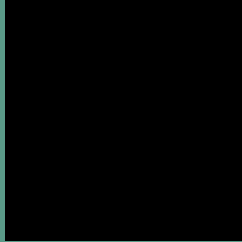
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2160, 27.0624, 27.4506

Background



This preview shows how black text looks on a background with the XYZ color 20.2160, 27.0624, 27.4506.

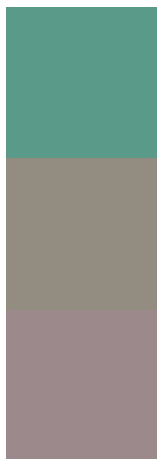


This preview shows how white text looks on a background with the XYZ color 20.2160, 27.0624,

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

20.2160, 27.0624, 27.4506

Protanopia

25.5199, 26.8378, 24.6040

Deuteranopia

27.3896, 26.8527, 28.5504



Tritanopia

22.3577, 26.9627, 38.2084

Trichromacy



Original Color

20.2160, 27.0624, 27.4506

Protanomaly

23.0479, 26.6593, 25.7608

Deuteranomaly

23.9984, 26.4145, 28.2598

Tritanomaly

21.4325, 26.8128, 34.1828

Monochromacy



Original Color

20.2160, 27.0624, 27.4506

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.1641, 24.5529, 26.1780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2160, 27.0624, 27.4506 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(90, 154, 136)` looks like.

```
.text, #text, p{  
    color:rgb(90, 154, 136)  
}
```

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(90, 154, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 154, 136) }
```

Border

The CSS property to change the border of an element to XYZ 20.2160, 27.0624, 27.4506 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(90, 154, 136) }
```


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

```
.border{ border-color:rgb(90, 154, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 154, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 154, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 154, 136);  
box-shadow:4px 4px 4px 4px rgb(90, 154,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2160, 27.0624, 27.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 154, 136) }
```

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

```
.background{ background-color: rgb(90, 154,  
136) }
```

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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