

Converting Colors

XYZ(20.5012, 28.3932, 21.8527)

Have a look what the booklet for
XYZ(20.5012, 28.3932, 21.8527)
contains.

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Color

**XYZ(20.4864, 28.3270,
21.8407)**

Conversions

Conversions Part 1

Format	Color
Hex	619E77
RGB	97, 158, 119
RGB Percent	38%, 62%, 47%
CMY	0.6196, 0.3804, 0.5333
CMYK	0.39, 0.00, 0.25, 0.38
HSL	142°, 24%, 50%
HSV	142°, 39%, 62%
XYZ	20.4864, 28.3270, 21.8407
YIQ	135.3150, -23.8370, -25.0610

Conversions

Conversions Part 2

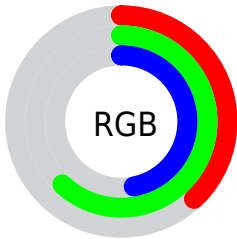
Format	Color
R_{YB}	97, 142, 158
Decimal	6397559
CIE _{Lab}	60.18, -28.59, 14.27
CIE _{LCh}	60, 31.954, 153.466
Yxy	28.3270, 0.2900, 0.4009
Android (android.graphics.Color)	4284587639 (0xFF619E77)
YUV	135.3150, -8.0433, -33.6023
Hunter-Lab	53.2231, -24.4330, 12.9259

Details

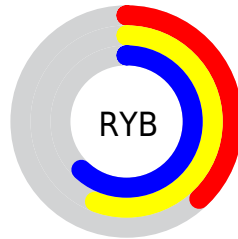
The XYZ color **20.4864, 28.3270, 21.8407** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.8201, 17.5967, 25.4874**, and the grayscale version is **23.1821, 24.3893, 26.5600**.

A 20% lighter version of the original color is **43.7226, 57.0128, 47.2282**, and **7.3862, 11.3311, 7.5922** is the 20% darker color. If you saturate the color by 10%, you get **18.3929, 27.3150, 18.7426**, and if you desaturate by 10%, it is **22.9813, 29.5401, 25.2955**.

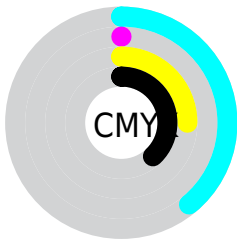
Distribution



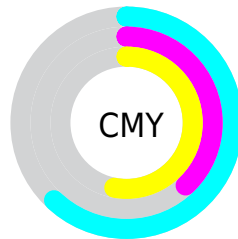
- Red (38%)
- Green (62%)
- Blue (47%)



- Red (38%)
- Yellow (56%)
- Blue (62%)



- Cyan (39%)
- Magenta (0%)
- Yellow (25%)
- Black (38%)



- Cyan (62%)
- Magenta (38%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4864, 28.3270, 21.8407 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 20.4864, 28.3270, 21.8407 by changing the saturation by 10% instead.

■ 20.4864, 28.3270,
21.8407

■ 20.4864, 28.3270,
21.8407

247.3199,
294.0262, 274.6396

■ 12.8594, 18.5723,
13.5427

■ 43.7289, 57.0061,
47.3814

■ 7.4081, 11.3616,
7.6682

■ 60.0752, 76.6993,
65.4611

■ 3.7672, 6.3106,
3.7987

■ 80.0586, 100.4741,
87.6386

■ 1.5713, 3.0349,
1.5156

■ 104.0444,
128.7149, 114.3322

■ 0.3736, 1.1500,
0.2295

132.3982,
161.8061, 145.9606

■ 0.0000, 0.0203,
0.0000

165.4851,

■ 0.0000, 0.0000,

200.1321, 182.9422

0.0000

203.6706,
244.0773, 225.6957

■ 20.4864, 28.3270,
21.8407

■ 20.4864, 28.3270,
21.8407

■ 18.3929, 27.3150,
18.7426

■ 22.9813, 29.5401,
25.2955

■ 16.6764, 26.4893,
15.9877

■ 25.8955, 30.9609,
29.1161

■ 15.3136, 25.8389,
13.5646


■ 29.2488, 32.6001,
33.3135


■ 14.2770, 25.3501,
11.4604


■ 33.0587, 34.4667,
37.8978


■ 13.5353, 25.0067,
9.6613


■ 37.3421, 36.5690,
42.8786

 13.0286, 24.7784,
8.1512

 42.1147, 38.9151,
48.2654

 12.9655, 24.7500,
7.9626

 47.3916, 41.5125,
54.0670

 53.1873, 44.3685,
60.2923

 59.5157, 47.4901,
66.9496

Harmonies

Analogous

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



22.8181, 28.3270, 15.6182



20.4864, 28.3270, 21.8407



19.8158, 28.3270, 32.2244

Triad

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



20.4864, 28.3270, 21.8407



27.4020, 28.3270, 59.2099



34.0274, 28.3270, 20.0210

Complementary

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



20.4864, 28.3270, 21.8407



22.8201, 17.5967, 25.4874

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.



35.5562, 28.3270, 29.5022



20.4864, 28.3270, 21.8407



31.4950, 28.3270, 53.6901

Square

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



20.4864, 28.3270, 21.8407



23.5632, 28.3270, 55.6837



34.5859, 28.3270, 42.0315



30.5900, 28.3270, 14.7694

Rectangle

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



20.4864, 28.3270, 21.8407



20.3386, 28.3270, 40.7034



34.5859, 28.3270, 42.0315



34.7965, 28.3270, 22.7199

Sweetspot

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



20.4872, 28.3282, 21.8413



50.8110, 58.0728, 57.6502



24.6448, 30.6069, 15.9184



11.2881, 13.0107, 12.7886



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.4872, 28.3282, 21.8413



34.0003, 49.8916, 34.9520



22.5704, 29.1615, 32.8113



6.6447, 7.4386, 7.5634



10.4011, 19.8284, 6.4692



0.2053, 0.3623, 0.2176

Inverse Universe

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



22.8201, 17.5967, 25.4874



38.8235, 27.6766, 42.4686



20.9854, 16.8628, 15.8258



6.8025, 6.7139, 7.8112



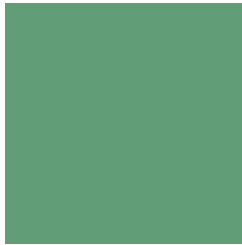
13.1944, 6.5823, 10.5405



0.2555, 0.1255, 0.2917

Previews

White Background



This preview shows how the XYZ color 20.4864, 28.3270, 21.8407 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 20.4864, 28.3270, 21.8407 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 20.4864, 28.3270, 21.8407

Background



This preview shows how black text looks on a background with the XYZ color 20.4864, 28.3270, 21.8407.



This preview shows how white text looks on a background with the XYZ color 20.4864, 28.3270,

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

20.4864, 28.3270, 21.8407

Protanopia

26.2243, 27.9864, 19.3490

Deuteranopia

28.5337, 28.0023, 22.6400



Tritanopia

23.9925, 28.2626, 39.3126

Trichromacy



Original Color

20.4864, 28.3270, 21.8407

Protanomaly

23.5148, 27.7192, 20.3306

Deuteranomaly

24.7762, 27.6256, 22.4388

Tritanomaly

22.4944, 28.1329, 32.2616

Monochromacy



Original Color

20.4864, 28.3270, 21.8407

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.6701, 25.2948, 24.5091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4864, 28.3270, 21.8407 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(97, 158, 119)` looks like.

```
.text, #text, p{  
    color:rgb(97, 158, 119)  
}
```

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(97, 158, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 158, 119) }
```

Border

The CSS property to change the border of an element to XYZ 20.4864, 28.3270, 21.8407 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(97, 158, 119) }
```


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

```
.border{ border-color:rgb(97, 158, 119) }
```

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

Here you see how a box with a 4 pixel rgb(97, 158, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 158, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 158, 119);  
box-shadow:4px 4px 4px 4px rgb(97, 158,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4864, 28.3270, 21.8407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 158, 119) }
```

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

```
.background{ background-color: rgb(97, 158,  
119) }
```

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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