

Converting Colors

XYZ(20.5489, 25.1773, 30.8307)

Have a look what the booklet for
XYZ(20.5489, 25.1773, 30.8307)
contains.

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Color

**XYZ(20.6128, 25.2857,
30.9884)**

Conversions

Conversions Part 1

Format	Color
Hex	639292
RGB	99, 146, 146
RGB Percent	39%, 57%, 57%
CMY	0.6118, 0.4274, 0.4274
CMYK	0.32, 0.00, 0.00, 0.43
HSL	180°, 19%, 48%
HSV	180°, 32%, 57%
XYZ	20.6128, 25.2857, 30.9884
YIQ	131.9470, -28.0120, -9.9640

Conversions

Conversions Part 2

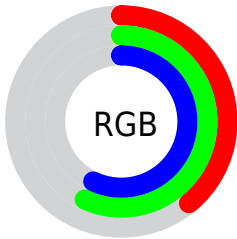
Format	Color
R_{YB}	99, 123, 146
Decimal	6525586
CIE _{Lab}	57.35, -15.77, -5.09
CIE _{LCh}	57, 16.573, 197.870
Yxy	25.2857, 0.2681, 0.3289
Android (android.graphics.Color)	4284715666 (0xFF639292)
YUV	131.9470, 6.9281, -28.8945
Hunter-Lab	50.2849, -14.8278, -1.3384

Details

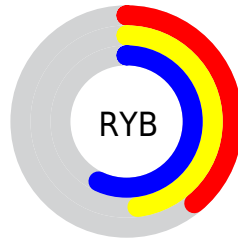
The XYZ color **20.6128, 25.2857, 30.9884** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.5689, 15.9363, 13.9027**, and the grayscale version is **21.8967, 23.0370, 25.0873**.

A 20% lighter version of the original color is **44.0285, 52.1541, 62.3898**, and **7.4702, 9.6819, 12.5414** is the 20% darker color. If you saturate the color by 10%, you get **19.1599, 24.5373, 30.9208**, and if you desaturate by 10%, it is **22.3556, 26.1848, 31.0707**.

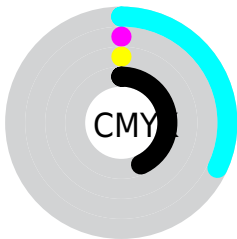
Distribution



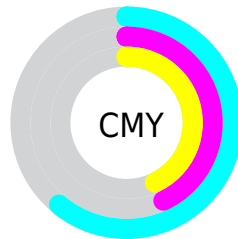
- Red (39%)
- Green (57%)
- Blue (57%)



- Red (39%)
- Yellow (48%)
- Blue (57%)



- Cyan (32%)
- Magenta (0%)
- Yellow (0%)
- Black (43%)



- Cyan (61%)
- Magenta (43%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6128, 25.2857, 30.9884 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 20.6128, 25.2857, 30.9884 by changing the saturation by 10% instead.

■ 20.6128, 25.2857,
30.9884

■ 20.6128, 25.2857,
30.9884

247.9844,
279.2578, 320.8344

■ 12.9521, 16.2900,
20.3316

■ 43.9384, 52.1203,
62.3012

■ 7.4723, 9.7296,
12.4499

■ 60.3340, 70.7281,
83.7942

■ 3.8082, 5.2201,
6.9246

■ 80.3719, 93.3087,
109.7365

■ 1.5942, 2.3770,
3.3373

■ 104.4176,
120.2465, 140.5465

■ 0.3886, 0.8140,
1.2693

132.8363,
151.9259, 176.6427

■ 0.0000, 0.0000,
0.0364

165.9934,

■ 0.0000, 0.0000,

188.7313, 218.4438

0.0000

204.2543,
231.0472, 266.3681

■ 20.6128, 25.2857,
30.9884

■ 20.6128, 25.2857,
30.9884

■ 19.1599, 24.5373,
30.9208

■ 22.3556, 26.1848,
31.0707

■ 17.9791, 23.9286,
30.8653

■ 24.4004, 27.2389,
31.1666

■ 17.0542, 23.4518,
30.8219

■ 26.7614, 28.4561,
31.2772

■ 16.3662, 23.0971,
30.7895

■ 29.4513, 29.8427,
31.4033

■ 15.8935, 22.8535,
30.7672

■ 32.4819, 31.4051,
31.5453

■ 15.6109, 22.7078,
30.7538

■ 35.8647, 33.1489,
31.7038

■ 15.4674, 22.6338,
30.7469

■ 39.6103, 35.0799,
31.8793

■ 43.7291, 37.2032,
32.0722

■ 48.2312, 39.5241,
32.2831

Harmonies

Analogous

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



20.5245, 25.2857, 25.3194



20.6128, 25.2857, 30.9884



21.5862, 25.2857, 36.3642

Triad

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



20.6128, 25.2857, 30.9884



26.9465, 25.2857, 35.4495



24.8362, 25.2857, 18.2477

Complementary

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



20.6128, 25.2857, 30.9884



18.5689, 15.9363, 13.9027

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.



26.6587, 25.2857, 20.2597



20.6128, 25.2857, 30.9884



27.9208, 25.2857, 29.8695

Square

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



20.6128, 25.2857, 30.9884



25.2117, 25.2857, 39.1715



27.8127, 25.2857, 24.3424



22.8922, 25.2857, 18.4618

Rectangle

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



20.6128, 25.2857, 30.9884



22.6375, 25.2857, 38.8243



27.8127, 25.2857, 24.3424



25.4853, 25.2857, 18.6735

Sweetspot

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



20.6135, 25.2867, 30.9890



43.8267, 48.4545, 55.0160



17.7634, 24.1566, 15.5315



9.6398, 10.7225, 12.2337



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.6135, 25.2867, 30.9890



34.3700, 43.5794, 54.5725



17.4528, 18.9651, 29.9360



5.9641, 6.5622, 7.4220



13.6109, 19.9172, 27.0565



0.1666, 0.2438, 0.3312

Inverse Universe

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



18.5689, 15.9363, 13.9027



30.1557, 24.3067, 19.3549



21.0319, 20.8623, 14.7233



5.8008, 5.8154, 6.0572



10.4317, 5.3777, 0.4883



0.1277, 0.0658, 0.0060

Previews

White Background



This preview shows how the XYZ color 20.6128, 25.2857, 30.9884 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 20.6128, 25.2857, 30.9884 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

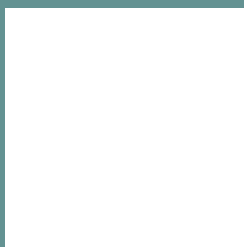
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6128, 25.2857, 30.9884

Background



This preview shows how black text looks on a background with the XYZ color 20.6128, 25.2857, 30.9884.

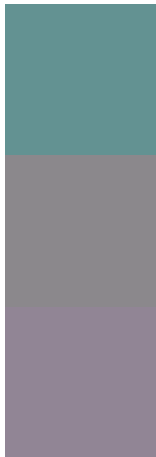


This preview shows how white text looks on a background with the XYZ color 20.6128, 25.2857,

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

20.6128, 25.2857, 30.9884

Protanopia

24.1852, 24.9907, 28.3599

Deuteranopia

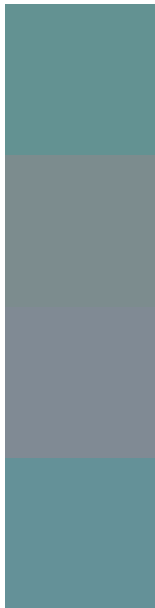
25.4894, 24.9647, 31.9090



Tritanopia

21.3408, 25.1135, 35.1751

Trichromacy



Original Color

20.6128, 25.2857, 30.9884

Protanomaly

22.5727, 24.9942, 29.2258

Deuteranomaly

23.3359, 24.9043, 31.5940

Tritanomaly

21.0484, 25.2271, 33.4657

Monochromacy



Original Color

20.6128, 25.2857, 30.9884

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.2067, 23.6905, 27.1219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6128, 25.2857, 30.9884 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(99, 146, 146)` looks like.

```
.text, #text, p{  
    color:rgb(99, 146, 146)  
}
```

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(99, 146, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 146, 146) }
```

Border

The CSS property to change the border of an element to XYZ 20.6128, 25.2857, 30.9884 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(99, 146, 146) }
```


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

```
.border{ border-color:rgb(99, 146, 146) }
```

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

Here you see how a box with a 4 pixel rgb(99, 146, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 146, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 146, 146);  
box-shadow:4px 4px 4px 4px rgb(99, 146,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6128, 25.2857, 30.9884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 146, 146) }
```

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

```
.background{ background-color: rgb(99, 146,  
146) }
```

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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