

Converting Colors

XYZ(20.1262, 23.7861, 29.6748)

Have a look what the booklet for
XYZ(20.1262, 23.7861, 29.6748)
contains.

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Color

**XYZ(20.0449, 23.6824,
29.5013)**

Conversions

Conversions Part 1

Format	Color
Hex	688C8F
RGB	104, 140, 143
RGB Percent	41%, 55%, 56%
CMY	0.5922, 0.4510, 0.4392
CMYK	0.27, 0.02, 0.00, 0.44
HSL	185°, 16%, 48%
HSV	185°, 27%, 56%
XYZ	20.0449, 23.6824, 29.5013
YIQ	129.5780, -22.4190, -6.6990

Conversions

Conversions Part 2

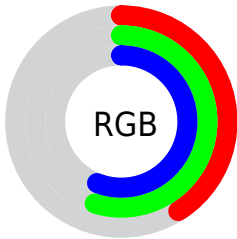
Format	Color
RYB	104, 123, 143
Decimal	6851727
CIELab	55.77, -11.73, -5.68
CIELCh	56, 13.031, 205.832
Yxy	23.6824, 0.2737, 0.3234
Android (android.graphics.Color)	4285041807 (0xFF688C8F)
YUV	129.5780, 6.6170, -22.4319
Hunter-Lab	48.6646, -11.6390, -1.8774

Details

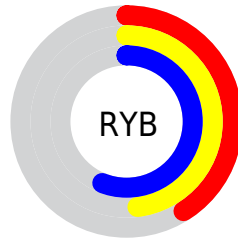
The XYZ color **20.0449, 23.6824, 29.5013** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.0843, 17.3545, 15.4410**, and the grayscale version is **21.0528, 22.1492, 24.1205**.

A 20% lighter version of the original color is **43.0801, 49.6827, 60.1425**, and **7.2075, 8.9149, 11.6968** is the 20% darker color. If you saturate the color by 10%, you get **18.3641, 22.5792, 29.3773**, and if you desaturate by 10%, it is **22.0102, 24.9358, 29.6400**.

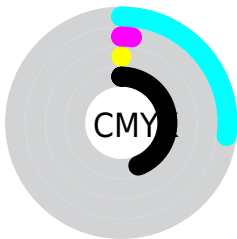
Distribution



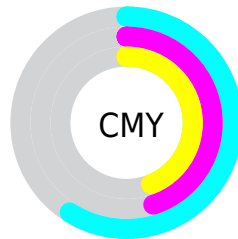
- Red (41%)
- Green (55%)
- Blue (56%)



- Red (41%)
- Yellow (48%)
- Blue (56%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (44%)



- Cyan (59%)
- Magenta (45%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0449, 23.6824, 29.5013 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 20.0449, 23.6824, 29.5013 by changing the saturation by 10% instead.

■ 20.0449, 23.6824,
29.5013

■ 20.0449, 23.6824,
29.5013

244.9870,
271.2108, 313.7076

■ 12.5361, 15.0982,
19.2115

■ 42.9958, 49.5114,
59.9243

■ 7.1847, 8.8883,
11.6449

■ 59.1687, 67.5250,
80.8946

■ 3.6252, 4.6684,
6.3828

■ 78.9603, 89.4506,
106.2621

■ 1.4924, 2.0541,
3.0067

■ 102.7360,
115.6724, 136.4454

■ 0.3206, 0.6386,
1.0980

130.8612,
146.5750, 171.8631

■ 0.0000, 0.0000,
0.0000

163.7012,

182.5426, 212.9337

201.6213,
223.9598, 260.0756

■ 20.0449, 23.6824,
29.5013

■ 20.0449, 23.6824,
29.5013

■ 18.3641, 22.5792,
29.3773

■ 22.0102, 24.9358,
29.6400

■ 16.9516, 21.6161,
29.2659

■ 24.2711, 26.3434,
29.7926

■ 15.7925, 20.7860,
29.1668

■ 26.8407, 27.9126,
29.9600

■ 14.8698, 20.0802,
29.0792

■ 29.7307, 29.6492,
30.1429

■ 14.1646, 19.4888,
29.0022

■ 32.9520, 31.5592,
30.3418

■ 13.6546, 19.0004,
28.9348

■ 36.5153, 33.6478,
30.5571

■ 13.2999, 18.5944,
28.8751

■ 40.4305, 35.9203,
30.7894

■ 13.2103, 18.4878,
28.8593

■ 44.7074, 38.3816,
31.0391

■ 49.3551, 41.0366,
31.3066

Harmonies

Analogous

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



19.7899, 23.6824, 25.1985



20.0449, 23.6824, 29.5013



20.9493, 23.6824, 33.1311

Triad

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



20.0449, 23.6824, 29.5013



24.9460, 23.6824, 30.6374



22.7168, 23.6824, 18.4845

Complementary

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



20.0449, 23.6824, 29.5013



19.0843, 17.3545, 15.4410

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.



24.1451, 23.6824, 19.6158



20.0449, 23.6824, 29.5013



25.4674, 23.6824, 26.3828

Square

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



20.0449, 23.6824, 29.5013



23.7718, 23.6824, 33.8358



25.1681, 23.6824, 22.3967



21.2925, 23.6824, 19.1265

Rectangle

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



20.0449, 23.6824, 29.5013



21.8203, 23.6824, 34.5190



25.1681, 23.6824, 22.3967



23.2129, 23.6824, 18.6663

Sweetspot

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



20.0456, 23.6834, 29.5018



43.0798, 46.9386, 53.3275



18.1646, 23.6415, 17.4061



9.7441, 10.6806, 12.2202



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.



20.0456, 23.6834, 29.5018



33.9065, 41.1124, 52.6864



17.4925, 18.5771, 28.6508



5.5253, 6.0464, 6.9046



11.6870, 16.3601, 25.5189



0.1186, 0.1701, 0.2463

Inverse Universe

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



21.0122, 17.6342, 27.1083



35.9689, 28.4082, 47.5340



21.3004, 21.7868, 16.1797



5.6086, 5.5040, 6.7030



13.7022, 6.6379, 19.8809



0.1344, 0.0648, 0.2082

Previews

White Background



This preview shows how the XYZ color 20.0449, 23.6824, 29.5013 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 20.0449, 23.6824, 29.5013 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 20.0449, 23.6824, 29.5013

Background



This preview shows how black text looks on a background with the XYZ color 20.0449, 23.6824, 29.5013.



This preview shows how white text looks on a background with the XYZ color 20.0449, 23.6824,

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

20.0449, 23.6824, 29.5013

Protanopia

22.6702, 23.4058, 27.3677

Deuteranopia

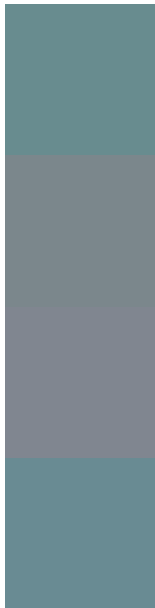
24.0780, 23.6723, 30.0882



Tritanopia

20.6815, 23.7314, 32.3448

Trichromacy



Original Color

20.0449, 23.6824, 29.5013

Protanomaly

21.5660, 23.4323, 28.1972

Deuteranomaly

22.4612, 23.6530, 29.7672

Tritanomaly

20.3248, 23.5751, 31.0830

Monochromacy



Original Color

20.0449, 23.6824, 29.5013

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.7834, 22.8644, 26.2395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0449, 23.6824, 29.5013 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(104, 140, 143)` looks like.

```
.text, #text, p{  
    color:rgb(104, 140, 143)  
}
```

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(104, 140, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 140, 143) }
```

Border

The CSS property to change the border of an element to XYZ 20.0449, 23.6824, 29.5013 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(104, 140, 143) }
```


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

```
.border{ border-color:rgb(104, 140, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 140, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 140, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 140, 143);  
box-shadow:4px 4px 4px 4px rgb(104, 140,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0449, 23.6824, 29.5013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 140, 143) }
```

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

```
.background{ background-color: rgb(104,  
140, 143) }
```

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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