

Converting Colors

XYZ(20.3348, 26.1133, 18.5087)

Have a look what the booklet for
XYZ(20.3348, 26.1133, 18.5087)
contains.

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Color

**XYZ(20.3178, 26.1097,
18.4368)**

Conversions

Conversions Part 1

Format	Color
Hex	71956D
RGB	113, 149, 109
RGB Percent	44%, 58%, 43%
CMY	0.5569, 0.4157, 0.5725
CMYK	0.24, 0.00, 0.27, 0.42
HSL	114°, 16%, 51%
HSV	114°, 27%, 58%
XYZ	20.3178, 26.1097, 18.4368
YIQ	133.6760, -8.6160, -20.0720

Conversions

Conversions Part 2

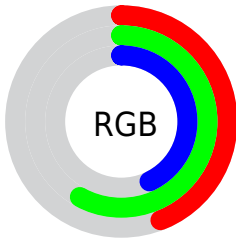
Format	Color
RYB	109, 149, 145
Decimal	7443821
CIELab	58.14, -20.61, 17.18
CIELCh	58, 26.834, 140.184
Yxy	26.1097, 0.3132, 0.4025
Android (android.graphics.Color)	4285633901 (0xFF71956D)
YUV	133.6760, -12.1653, -18.1329
Hunter-Lab	51.0977, -18.4445, 14.3756

Details

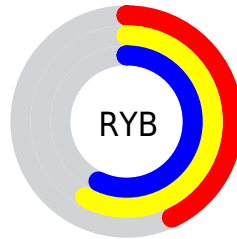
The XYZ color **20.3178, 26.1097, 18.4368** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.5716, 19.1277, 30.9375**, and the grayscale version is **22.5871, 23.7634, 25.8783**.

A 20% lighter version of the original color is **43.5148, 53.3921, 41.7304**, and **7.3243, 10.1623, 5.9904** is the 20% darker color. If you saturate the color by 10%, you get **17.9832, 24.9919, 14.4896**, and if you desaturate by 10%, it is **23.0448, 27.4156, 23.1133**.

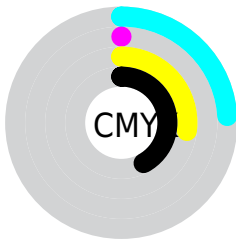
Distribution



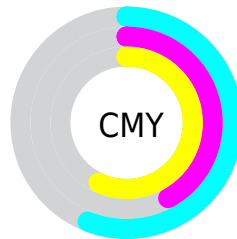
- Red (44%)
- Green (58%)
- Blue (43%)



- Red (43%)
- Yellow (58%)
- Blue (57%)



- Cyan (24%)
- Magenta (0%)
- Yellow (27%)
- Black (42%)



- Cyan (56%)
- Magenta (42%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3178, 26.1097, 18.4368 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 20.3178, 26.1097, 18.4368 by changing the saturation by 10% instead.

■ 20.3178, 26.1097,
18.4368

■ 20.3178, 26.1097,
18.4368

246.4313,
283.3202, 255.6400

■ 12.7359, 16.9057,
11.0914

■ 43.4492, 53.4519,
41.6042

■ 7.3227, 10.1673,
6.0134

■ 59.7295, 72.3588,
58.2632

■ 3.7128, 5.5100,
2.7843

■ 79.6398, 95.2690,
78.8638

■ 1.5410, 2.5495,
0.9856

■ 103.5457,
122.5666, 103.8246

■ 0.3535, 0.9013,
0.0000

131.8124,
154.6361, 133.5640

■ 0.0000, 0.0000,
0.0000

164.8054,

191.8620, 168.5007

202.8899,
234.6285, 209.0532

■ 20.3178, 26.1097,
18.4368

■ 20.3178, 26.1097,
18.4368

■ 17.9832, 24.9919,
14.4896

■ 23.0448, 27.4156,
23.1133

■ 16.0209, 24.0503,
11.2333

■ 26.1789, 28.9142,
28.5515

■ 14.4121, 23.2770,
8.6287

■ 29.7367, 30.6140,
34.7838

■ 13.1358, 22.6618,
6.6320

■ 33.7332, 32.5222,
41.8403

■ 12.1683, 22.1939,
5.1940

■ 38.1825, 34.6455,
49.7495

■ 11.4832, 21.8607,
4.2576

■ 43.0985, 36.9903,
58.5386

■ 11.0447, 21.6459,
3.7309

■ 48.4939, 39.5628,
68.2335

■ 10.9433, 21.5966,
3.5918

■ 54.3815, 42.3689,
78.8591

■ 60.7733, 45.4143,
90.4393

Harmonies

Analogous

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



22.7214, 26.1097, 14.7183



20.3178, 26.1097, 18.4368



19.1522, 26.1097, 25.4846

Triad

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



20.3178, 26.1097, 18.4368



23.7659, 26.1097, 49.9712



31.1586, 26.1097, 22.6883

Complementary

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



20.3178, 26.1097, 18.4368



22.5716, 19.1277, 30.9375

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.



31.5001, 26.1097, 31.5920



20.3178, 26.1097, 18.4368



27.0365, 26.1097, 48.7616

Square

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



20.3178, 26.1097, 18.4368



21.0249, 26.1097, 44.5173



29.9346, 26.1097, 41.5032



29.0385, 26.1097, 16.7754

Rectangle

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



20.3178, 26.1097, 18.4368



19.1581, 26.1097, 31.7134



29.9346, 26.1097, 41.5032



31.4919, 26.1097, 25.3796

Sweetspot

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



20.3185, 26.1108, 18.4374



46.0995, 51.4057, 49.7681



25.2813, 27.7457, 18.4914



10.0358, 11.3059, 10.7152



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.3185, 26.1108, 18.4374



33.8760, 45.5566, 28.7602



20.7566, 26.2279, 23.3712



5.7802, 6.4945, 6.1894



9.2230, 18.1825, 3.0235



0.1235, 0.2280, 0.0375

Inverse Universe

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



22.5716, 19.1277, 30.9375



38.5777, 30.9707, 54.8659



22.0976, 19.0210, 24.6979



5.9788, 5.8800, 7.2896



12.8682, 6.1064, 24.4315



0.1708, 0.0816, 0.2997

Previews

White Background



This preview shows how the XYZ color 20.3178, 26.1097, 18.4368 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 20.3178, 26.1097, 18.4368 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 20.3178, 26.1097, 18.4368

Background



This preview shows how black text looks on a background with the XYZ color 20.3178, 26.1097, 18.4368.



This preview shows how white text looks on a background with the XYZ color 20.3178, 26.1097,

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

20.3178, 26.1097, 18.4368

Protanopia

24.1768, 25.8747, 17.0847

Deuteranopia

26.3500, 25.9014, 18.9399



Tritanopia

23.5404, 26.0430, 34.3579

Trichromacy



Original Color

20.3178, 26.1097, 18.4368

Protanomaly

22.5773, 25.9198, 17.4487

Deuteranomaly

23.6035, 25.5422, 18.7250

Tritanomaly

22.1841, 25.9373, 27.8819

Monochromacy



Original Color

20.3178, 26.1097, 18.4368

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.5385, 24.3815, 22.9729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3178, 26.1097, 18.4368 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(113, 149, 109)` looks like.

```
.text, #text, p{  
    color:rgb(113, 149, 109)  
}
```

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(113, 149, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 149, 109) }
```

Border

The CSS property to change the border of an element to XYZ 20.3178, 26.1097, 18.4368 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(113, 149, 109) }
```


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

```
.border{ border-color:rgb(113, 149, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 149, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 149, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 149, 109);  
box-shadow:4px 4px 4px 4px rgb(113, 149,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3178, 26.1097, 18.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 149, 109) }
```

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

```
.background{ background-color: rgb(113,  
149, 109) }
```

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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