

Converting Colors

XYZ(18.5416, 20.7715, 29.0032)

Have a look what the booklet for
XYZ(18.5416, 20.7715, 29.0032)
contains.

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Color

**XYZ(18.5341, 20.8320,
29.0307)**

Conversions

Conversions Part 1

Format	Color
Hex	67828F
RGB	103, 130, 143
RGB Percent	40%, 51%, 56%
CMY	0.5961, 0.4902, 0.4392
CMYK	0.28, 0.09, 0.00, 0.44
HSL	199°, 16%, 48%
HSV	199°, 28%, 56%
XYZ	18.5341, 20.8320, 29.0307
YIQ	123.4090, -20.2650, -1.6810

Conversions

Conversions Part 2

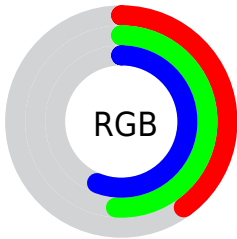
Format	Color
R_{YB}	103, 119, 143
Decimal	6783631
CIE _{Lab}	52.77, -6.46, -10.16
CIE _{LCh}	53, 12.042, 237.573
Yxy	20.8320, 0.2710, 0.3046
Android (android.graphics.Color)	4284973711 (0xFF67828F)
YUV	123.4090, 9.6584, -17.8987
Hunter-Lab	45.6421, -7.3893, -5.7620

Details

The XYZ color **18.5341, 20.8320, 29.0307** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.0216, 19.3099, 15.5045**, and the grayscale version is **18.9362, 19.9224, 21.6955**.

A 20% lighter version of the original color is **40.5291, 44.8668, 59.3474**, and **6.4395, 7.4594, 11.4563** is the 20% darker color. If you saturate the color by 10%, you get **16.4280, 18.8497, 28.7594**, and if you desaturate by 10%, it is **20.9500, 23.0164, 29.3254**.

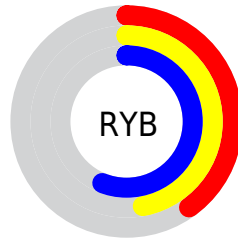
Distribution



Red (40%)

Green (51%)

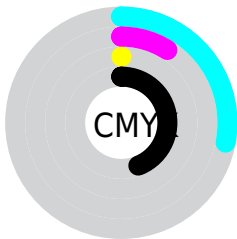
Blue (56%)



Red (40%)

Yellow (47%)

Blue (56%)

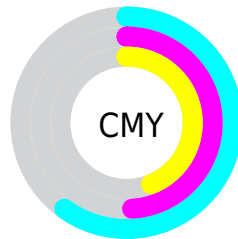


Cyan (28%)

Magenta (9%)

Yellow (0%)

Black (44%)



Cyan (60%)

Magenta (49%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5341, 20.8320, 29.0307 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 18.5341, 20.8320, 29.0307 by changing the saturation by 10% instead.

■ 18.5341, 20.8320,
29.0307

■ 18.5341, 20.8320,
29.0307

236.8523,
256.3843, 311.4252

■ 11.4361, 13.0013,
18.8583

■ 40.4683, 44.8078,
59.1686

■ 6.4304, 7.4294,
11.3921

■ 56.0353, 61.7216,
79.9712

■ 3.1517, 3.7321,
6.2138

■ 75.1560, 82.4319,
105.1542

■ 1.2345, 1.5248,
2.9046

■ 98.1957, 107.3230,
135.1363

■ 0.1333, 0.3061,
1.0461

125.5198,
136.7795, 170.3359

■ 0.0000, 0.0000,
0.0000

157.4937,

171.1856, 211.1715

194.4828,
210.9257, 258.0618

■ 18.5341, 20.8320,
29.0307

■ 18.5341, 20.8320,
29.0307

■ 16.4280, 18.8497,
28.7594

■ 20.9500, 23.0164,
29.3254

■ 14.6151, 17.0590,
28.5093

■ 23.6873, 25.4080,
29.6427

■ 13.0801, 15.4520,
28.2801

■ 26.7595, 28.0147,
29.9839

■ 11.8056, 14.0190,
28.0706

■ 30.1785, 30.8433,
30.3497

■ 10.7718, 12.7493,
27.8800

■ 33.9559, 33.9001,
30.7406

■ 9.9560, 11.6306,
27.7071

■ 38.1026, 37.1913,
31.1573

■ 9.3129, 10.6390,
27.5496

■ 42.6288, 40.7226,
31.6004

■ 9.1894, 10.4460,
27.5189

■ 47.5447, 44.4998,
32.0704

■ 52.8598, 48.5282,
32.5678

Harmonies

Analogous

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



17.7371, 20.8320, 26.0344



18.5341, 20.8320, 29.0307



19.6982, 20.8320, 30.3122

Triad

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



18.5341, 20.8320, 29.0307



22.3105, 20.8320, 22.9765



18.7040, 20.8320, 17.0910

Complementary

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



18.5341, 20.8320, 29.0307



20.0216, 19.3099, 15.5045

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.



19.9026, 20.8320, 16.4543



18.5341, 20.8320, 29.0307



22.0174, 20.8320, 19.6314

Square

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



18.5341, 20.8320, 29.0307



21.9078, 20.8320, 26.5942



21.1227, 20.8320, 17.3346



17.8323, 20.8320, 19.1745

Rectangle

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



18.5341, 20.8320, 29.0307



20.5378, 20.8320, 29.9300



21.1227, 20.8320, 17.3346



19.0805, 20.8320, 16.7110

Sweetspot

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



18.5347, 20.8328, 29.0312



42.3168, 45.4127, 53.0732



18.5495, 23.7821, 20.0348



9.5401, 10.2726, 12.1522



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.



18.5347, 20.8328, 29.0312



30.5875, 34.8730, 51.6571



16.1639, 16.0912, 28.2409



5.4145, 5.8249, 6.8677



8.1446, 9.2752, 24.3381



0.0980, 0.1289, 0.2394

Inverse Universe

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



20.2077, 17.1524, 23.3657



34.1963, 27.3267, 39.3482



22.5336, 24.3339, 16.3418



5.5527, 5.4816, 6.4086



11.9141, 5.9227, 10.4650



0.1241, 0.0607, 0.1535

Previews

White Background



This preview shows how the XYZ color 18.5341, 20.8320, 29.0307 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 18.5341, 20.8320, 29.0307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

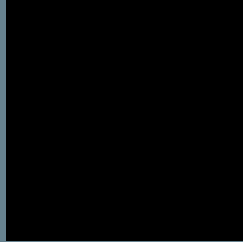
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.5341, 20.8320, 29.0307

Background



This preview shows how black text looks on a background with the XYZ color 18.5341, 20.8320, 29.0307.



This preview shows how white text looks on a background with the XYZ color 18.5341, 20.8320,

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

18.5341, 20.8320, 29.0307

Protanopia

20.3794, 20.8458, 27.7605

Deuteranopia

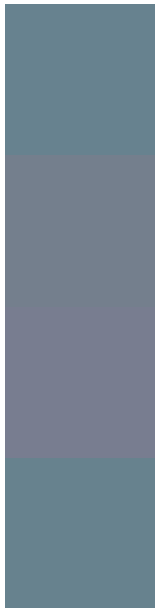
21.1236, 20.6305, 29.6568



Tritanopia

18.3839, 20.7719, 28.2397

Trichromacy



Original Color

18.5341, 20.8320, 29.0307

Protanomaly

19.5995, 20.8148, 28.1840

Deuteranomaly

20.1134, 20.6739, 29.3159

Tritanomaly

18.4586, 20.8018, 28.6335

Monochromacy



Original Color

18.5341, 20.8320, 29.0307

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6926, 20.2464, 24.0418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5341, 20.8320, 29.0307 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(103, 130, 143)` looks like.

```
.text, #text, p{  
    color:rgb(103, 130, 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(103, 130, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 130, 143) }
```

Border

The CSS property to change the border of an element to XYZ 18.5341, 20.8320, 29.0307 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(103, 130, 143) }
```


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

```
.border{ border-color:rgb(103, 130, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 130, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 130, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 130, 143);  
box-shadow:4px 4px 4px 4px rgb(103, 130,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5341, 20.8320, 29.0307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 130, 143) }
```

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

```
.background{ background-color: rgb(103,  
130, 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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