

Converting Colors

XYZ(18.6189, 21.2295, 28.9605)

Have a look what the booklet for
XYZ(18.6189, 21.2295, 28.9605)
contains.

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Color

**XYZ(18.6887, 21.3105,
29.1149)**

Conversions

Conversions Part 1

Format	Color
Hex	66848F
RGB	102, 132, 143
RGB Percent	40%, 52%, 56%
CMY	0.6000, 0.4823, 0.4392
CMYK	0.29, 0.08, 0.00, 0.44
HSL	196°, 17%, 48%
HSV	196°, 29%, 56%
XYZ	18.6887, 21.3105, 29.1149
YIQ	124.2840, -21.4110, -2.9390

Conversions

Conversions Part 2

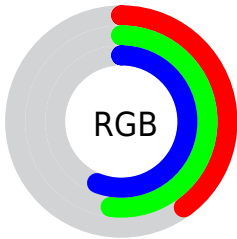
Format	Color
R_{YB}	102, 119, 143
Decimal	6718607
CIE _{Lab}	53.29, -7.91, -9.39
CIE _{LCh}	53, 12.273, 229.899
Yxy	21.3105, 0.2704, 0.3083
Android (android.graphics.Color)	4284908687 (0xFF66848F)
YUV	124.2840, 9.2270, -19.5431
Hunter-Lab	46.1633, -8.5220, -5.0795

Details

The XYZ color **18.6887, 21.3105, 29.1149** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.6314, 18.6094, 15.1282**, and the grayscale version is **19.2287, 20.2301, 22.0306**.

A 20% lighter version of the original color is **40.7534, 45.5992, 59.4769**, and **6.5372, 7.7337, 11.5041** is the 20% darker color. If you saturate the color by 10%, you get **16.6953, 19.5252, 28.8757**, and if you desaturate by 10%, it is **20.9822, 23.2799, 29.3745**.

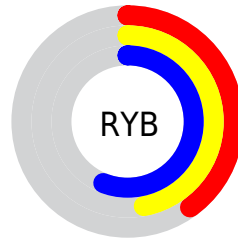
Distribution



Red (40%)

Green (52%)

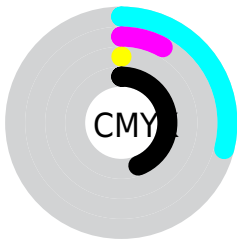
Blue (56%)



Red (40%)

Yellow (47%)

Blue (56%)

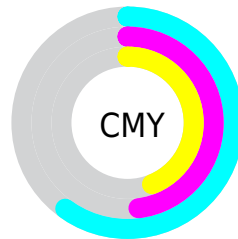


Cyan (29%)

Magenta (8%)

Yellow (0%)

Black (44%)



Cyan (60%)

Magenta (48%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6887, 21.3105, 29.1149 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 18.6887, 21.3105, 29.1149 by changing the saturation by 10% instead.

■ 18.6887, 21.3105,
29.1149

■ 18.6887, 21.3105,
29.1149

237.6960,
258.9241, 311.8346

■ 11.5482, 13.3512,
18.9214

■ 40.7284, 45.6037,
59.3040

■ 6.5069, 7.6708,
11.4373

■ 56.3583, 62.7064,
80.1366

■ 3.1992, 3.8850,
6.2439

■ 75.5487, 83.6256,
105.3528

■ 1.2600, 1.6095,
2.9228

■ 98.6650, 108.7458,
135.3709

■ 0.1529, 0.3640,
1.0553

126.0725,
138.4514, 170.6096

■ 0.0000, 0.0000,
0.0000

158.1366,

173.1266, 211.4875

195.2227,
213.1561, 258.4229

■ 18.6887, 21.3105,
29.1149

■ 18.6887, 21.3105,
29.1149

■ 16.6953, 19.5252,
28.8757

■ 20.9822, 23.2799,
29.3745

■ 14.9853, 17.9137,
28.6548

■ 23.5872, 25.4381,
29.6538

■ 13.5438, 16.4683,
28.4518

■ 26.5172, 27.7927,
29.9538

■ 12.3530, 15.1797,
28.2658

■ 29.7840, 30.3504,
30.2753

■ 11.3935, 14.0375,
28.0959

■ 33.3990, 33.1170,
30.6188

10.6423, 13.0295,
27.9410

37.3729, 36.0986,
30.9849

10.0487, 12.1292,
27.7985

41.7161, 39.3006,
31.3740

9.9730, 12.0132,
27.7801

46.4385, 42.7284,
31.7868

51.5494, 46.3873,
32.2236

Harmonies

Analogous

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



17.9965, 21.3105, 25.7237



18.6887, 21.3105, 29.1149



19.8202, 21.3105, 30.9803

Triad

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



18.6887, 21.3105, 29.1149



22.8142, 21.3105, 24.4806



19.4169, 21.3105, 17.1076

Complementary

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



18.6887, 21.3105, 29.1149



19.6314, 18.6094, 15.1282

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.



20.6961, 21.3105, 16.8509



18.6887, 21.3105, 29.1149



22.6949, 21.3105, 20.8536

Square

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



18.6887, 21.3105, 29.1149



22.2257, 21.3105, 28.1217



21.9064, 21.3105, 18.1519



18.4043, 21.3105, 18.8950

Rectangle

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



18.6887, 21.3105, 29.1149



20.6873, 21.3105, 30.9857



21.9064, 21.3105, 18.1519



19.8287, 21.3105, 16.8474

Sweetspot

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



18.6893, 21.3114, 29.1154



41.9838, 45.3456, 53.0778



18.2793, 23.6609, 19.2072



9.4794, 10.2772, 12.1563



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.



18.6893, 21.3114, 29.1154



31.2471, 36.1920, 51.8769



16.1844, 16.3014, 28.2804



5.4396, 5.8749, 6.8760



8.8357, 10.6574, 24.5685



0.1027, 0.1383, 0.2410

Inverse Universe

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



20.2445, 17.0089, 24.0468



34.5292, 27.4599, 41.1012



22.1733, 23.6933, 15.9755



5.5654, 5.4867, 6.4751



12.2630, 6.0622, 12.3019



0.1264, 0.0616, 0.1660

Previews

White Background



This preview shows how the XYZ color 18.6887, 21.3105, 29.1149 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 18.6887, 21.3105, 29.1149 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

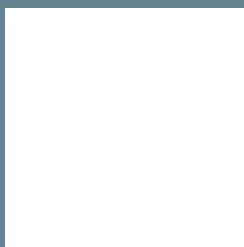
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6887, 21.3105, 29.1149

Background



This preview shows how black text looks on a background with the XYZ color 18.6887, 21.3105, 29.1149.



This preview shows how white text looks on a background with the XYZ color 18.6887, 21.3105,

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

18.6887, 21.3105, 29.1149

Protanopia

20.7252, 21.2214, 27.4299

Deuteranopia

21.6786, 21.2849, 29.7539



Tritanopia

18.6887, 21.3105, 29.1149

Trichromacy



Original Color

18.6887, 21.3105, 29.1149

Protanomaly

19.7889, 21.1137, 27.8433

Deuteranomaly

20.3691, 21.1854, 29.4012

Tritanomaly

18.6887, 21.3105, 29.1149

Monochromacy



Original Color

18.6887, 21.3105, 29.1149

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.8886, 20.5304, 24.4400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6887, 21.3105, 29.1149 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(102, 132, 143)` looks like.

```
.text, #text, p{  
    color:rgb(102, 132, 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(102, 132, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 132, 143) }
```

Border

The CSS property to change the border of an element to XYZ 18.6887, 21.3105, 29.1149 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(102, 132, 143) }
```


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

```
.border{ border-color:rgb(102, 132, 143) }
```

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

Here you see how a box with a 4 pixel rgb(102, 132, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 132, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 132, 143);  
box-shadow:4px 4px 4px 4px rgb(102, 132,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6887, 21.3105, 29.1149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 132, 143) }
```

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

```
.background{ background-color: rgb(102,  
132, 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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