

Converting Colors

XYZ(18.6899, 21.7243, 28.9457)

Have a look what the booklet for
XYZ(18.6899, 21.7243, 28.9457)
contains.

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Color

**XYZ(18.6631, 21.7125,
28.7985)**

Conversions

Conversions Part 1

Format	Color
Hex	64868E
RGB	100, 134, 142
RGB Percent	39%, 53%, 56%
CMY	0.6078, 0.4745, 0.4431
CMYK	0.30, 0.06, 0.00, 0.44
HSL	191°, 17%, 47%
HSV	191°, 30%, 56%
XYZ	18.6631, 21.7125, 28.7985
YIQ	124.7460, -22.8320, -4.7200

Conversions

Conversions Part 2

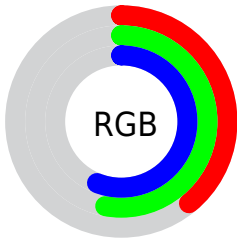
Format	Color
R _Y B	100, 119, 142
Decimal	6588046
CIE Lab	53.72, -9.90, -8.17
CIE LCh	54, 12.841, 219.528
Yxy	21.7125, 0.2698, 0.3139
Android (android.graphics.Color)	4284778126 (0xFF64868E)
YUV	124.7460, 8.5062, -21.7022
Hunter-Lab	46.5967, -10.0506, -4.0258

Details

The XYZ color **18.6631, 21.7125, 28.7985** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.8184, 17.3962, 14.4230**, and the grayscale version is **19.3860, 20.3955, 22.2107**.

A 20% lighter version of the original color is **40.6830, 46.2016, 58.9981**, and **6.4673, 7.8172, 11.2932** is the 20% darker color. If you saturate the color by 10%, you get **16.8585, 20.2349, 28.6088**, and if you desaturate by 10%, it is **20.7523, 23.3521, 29.0052**.

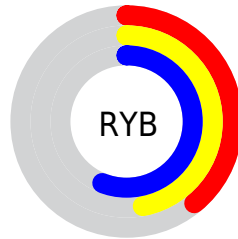
Distribution



Red (39%)

Green (53%)

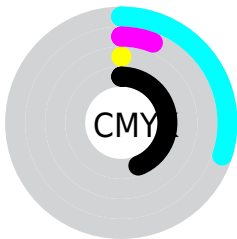
Blue (56%)



Red (39%)

Yellow (47%)

Blue (56%)

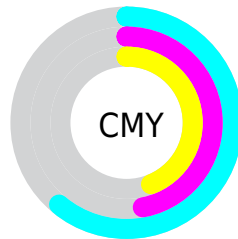


Cyan (30%)

Magenta (6%)

Yellow (0%)

Black (44%)



Cyan (61%)

Magenta (47%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6631, 21.7125, 28.7985 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 18.6631, 21.7125, 28.7985 by changing the saturation by 10% instead.

■ 18.6631, 21.7125,
28.7985

■ 18.6631, 21.7125,
28.7985

237.5565,
261.0412, 310.2942

■ 11.5297, 13.6458,
18.6842

■ 40.6853, 46.2704,
58.7951

■ 6.4942, 7.8747,
11.2678

■ 56.3048, 63.5303,
79.5146

■ 3.1913, 4.0149,
6.1308

■ 75.4837, 84.6235,
104.6061

■ 1.2557, 1.6819,
2.8547

■ 98.5873, 109.9342,
134.4882

■ 0.1497, 0.4119,
1.0209

125.9811,
139.8470, 169.5796

■ 0.0000, 0.0000,
0.0000

158.0303,

174.7461, 210.2987

195.1003,
215.0161, 257.0640

■ 18.6631, 21.7125,
28.7985

■ 18.6631, 21.7125,
28.7985

■ 16.8585, 20.2349,
28.6088

■ 20.7523, 23.3521,
29.0052

■ 15.3223, 18.9092,
28.4339

■ 23.1375, 25.1580,
29.2281

■ 14.0396, 17.7283,
28.2735

■ 25.8317, 27.1376,
29.4682

■ 12.9933, 16.6830,
28.1269

■ 28.8465, 29.2970,
29.7261

■ 12.1638, 15.7632,
27.9931

■ 32.1931, 31.6420,
30.0023

■ 11.5285, 14.9573,
27.8710

■ 35.8818, 34.1782,
30.2974

■ 11.0291, 14.2349,
27.7579

■ 39.9229, 36.9107,
30.6119

■ 11.0085, 14.2049,
27.7532

■ 44.3259, 39.8447,
30.9462

■ 49.1001, 42.9851,
31.3007

Harmonies

Analogous

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



18.1365, 21.7125, 24.9176



18.6631, 21.7125, 28.7985



19.7256, 21.7125, 31.4731

Triad

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



18.6631, 21.7125, 28.7985



23.2160, 21.7125, 26.3914



20.2023, 21.7125, 16.9289

Complementary

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



18.6631, 21.7125, 28.7985



18.8184, 17.3962, 14.4230

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.



21.5762, 21.7125, 17.2300



18.6631, 21.7125, 28.7985



23.3575, 21.7125, 22.4092

Square

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



18.6631, 21.7125, 28.7985



22.3670, 21.7125, 29.9798



22.7456, 21.7125, 19.1396



18.9987, 21.7125, 18.2657

Rectangle

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



18.6631, 21.7125, 28.7985



20.6153, 21.7125, 32.0555



22.7456, 21.7125, 19.1396



20.6589, 21.7125, 16.8455

Sweetspot

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



18.6638, 21.7134, 28.7990



40.9751, 44.4935, 51.5564



17.6198, 23.1321, 17.6405



9.0226, 9.8413, 11.5035



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.6638, 21.7134, 28.7990



30.8958, 36.6528, 50.5742



16.0771, 16.5401, 27.9368



5.4742, 5.9442, 6.8876



9.8964, 12.7788, 24.9220



0.1091, 0.1512, 0.2431

Inverse Universe

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



20.0161, 16.5869, 24.7018



33.6941, 26.3699, 42.0234



21.2668, 22.2929, 15.2391



5.5828, 5.4937, 6.5671



12.7984, 6.2764, 15.1214



0.1297, 0.0629, 0.1832

Previews

White Background



This preview shows how the XYZ color 18.6631, 21.7125, 28.7985 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 18.6631, 21.7125, 28.7985 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 18.6631, 21.7125, 28.7985

Background



This preview shows how black text looks on a background with the XYZ color 18.6631, 21.7125, 28.7985.



This preview shows how white text looks on a background with the XYZ color 18.6631, 21.7125,

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

18.6631, 21.7125, 28.7985

Protanopia

20.9292, 21.5257, 27.0966

Deuteranopia

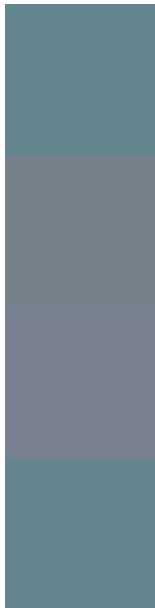
22.0405, 21.6674, 29.4061



Tritanopia

18.9260, 21.8305, 29.6018

Trichromacy



Original Color

18.6631, 21.7125, 28.7985

Protanomaly

19.9790, 21.6113, 27.5445

Deuteranomaly

20.5623, 21.4865, 29.0502

Tritanomaly

18.8499, 21.8001, 29.2009

Monochromacy



Original Color

18.6631, 21.7125, 28.7985

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.0184, 20.7900, 24.4832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6631, 21.7125, 28.7985 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(100, 134, 142)` looks like.

```
.text, #text, p{  
    color:rgb(100, 134, 142)  
}
```

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(100, 134, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 134, 142) }
```

Border

The CSS property to change the border of an element to XYZ 18.6631, 21.7125, 28.7985 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(100, 134, 142) }
```


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

```
.border{ border-color:rgb(100, 134, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 134, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 134, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 134, 142);  
box-shadow:4px 4px 4px 4px rgb(100, 134,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6631, 21.7125, 28.7985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 134, 142) }
```

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

```
.background{ background-color: rgb(100,  
134, 142) }
```

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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