

Converting Colors

XYZ(17.8424, 21.2508, 31.2885)

Have a look what the booklet for
XYZ(17.8424, 21.2508, 31.2885)
contains.

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Color

**XYZ(17.8009, 21.2145,
31.1736)**

Conversions

Conversions Part 1

Format	Color
Hex	578694
RGB	87, 134, 148
RGB Percent	34%, 53%, 58%
CMY	0.6588, 0.4745, 0.4196
CMYK	0.41, 0.09, 0.00, 0.42
HSL	194°, 26%, 46%
HSV	194°, 41%, 58%
XYZ	17.8009, 21.2145, 31.1736
YIQ	121.5430, -32.5060, -5.6100

Conversions

Conversions Part 2

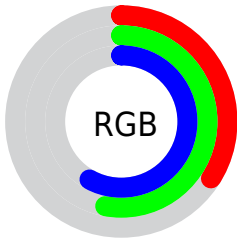
Format	Color
R _Y B	87, 114, 148
Decimal	5736084
CIE Lab	53.18, -12.14, -12.54
CIE LCh	53, 17.447, 225.929
Yxy	21.2145, 0.2536, 0.3022
Android (android.graphics.Color)	4283926164 (0xFF578694)
YUV	121.5430, 13.0433, -30.2942
Hunter-Lab	46.0592, -11.6172, -7.8870

Details

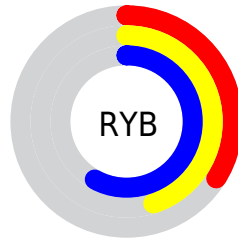
The XYZ color **17.8009, 21.2145, 31.1736** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.5872, 16.2920, 11.1826**, and the grayscale version is **18.3169, 19.2708, 20.9860**.

A 20% lighter version of the original color is **39.2462, 45.3804, 62.5679**, and **6.0211, 7.5610, 12.4513** is the 20% darker color. If you saturate the color by 10%, you get **16.0965, 19.6505, 30.9619**, and if you desaturate by 10%, it is **19.8051, 22.9563, 31.4046**.

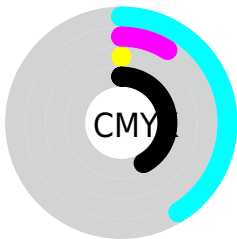
Distribution



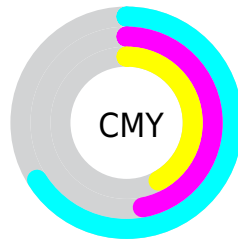
- Red (34%)
- Green (53%)
- Blue (58%)



- Red (34%)
- Yellow (45%)
- Blue (58%)



- Cyan (41%)
- Magenta (9%)
- Yellow (0%)
- Black (42%)



- Cyan (66%)
- Magenta (47%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8009, 21.2145, 31.1736 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 17.8009, 21.2145, 31.1736 by changing the saturation by 10% instead.

■ 17.8009, 21.2145,
31.1736

■ 17.8009, 21.2145,
31.1736

■ 232.8138,
258.4163, 321.7132

■ 10.9060, 13.2809,
20.4715

■ 39.2305, 45.4442,
62.5961

■ 6.0705, 7.6222,
12.5508

■ 54.4959, 62.5092,
84.1535

■ 2.9290, 3.8542,
6.9929

■ 73.2822, 83.3867,
110.1665

■ 1.1163, 1.5923,
3.3793

■ 95.9546, 108.4611,
141.0535

■ 0.0387, 0.3524,
1.2914

■ 122.8787,
138.1169, 177.2332

■ 0.0000, 0.0000,
0.0547

154.4196,

■ 0.0000, 0.0000,

172.7384, 219.1240

0.0000

190.9429,
212.7101, 267.1445

■ 17.8009, 21.2145,
31.1736

■ 17.8009, 21.2145,
31.1736

■ 16.0965, 19.6505,
30.9619

■ 19.8051, 22.9563,
31.4046

■ 14.6722, 18.2527,
30.7672

■ 22.1231, 24.8821,
31.6541

■ 13.5092, 17.0115,
30.5889

■ 24.7704, 27.0004,
31.9234

■ 12.5855, 15.9154,
30.4260

■ 27.7612, 29.3188,
32.2133

■ 11.8749, 14.9508,
30.2773

■ 31.1083, 31.8440,
32.5243

■ 11.3666, 14.1807,
30.1554

■ 34.8243, 34.5828,
32.8571

■ 38.9209, 37.5414,
33.2122

■ 43.4093, 40.7257,
33.5903

■ 48.3004, 44.1416,
33.9918

Harmonies

Analogous

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



16.9483, 21.2145, 25.9940



17.8009, 21.2145, 31.1736



19.3155, 21.2145, 34.3917

Triad

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



17.8009, 21.2145, 31.1736



23.7952, 21.2145, 25.6519



19.2079, 21.2145, 14.6589

Complementary

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



17.8009, 21.2145, 31.1736



18.5872, 16.2920, 11.1826

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.



21.0365, 21.2145, 14.5961



17.8009, 21.2145, 31.1736



23.7621, 21.2145, 20.4274

Square

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



17.8009, 21.2145, 31.1736



22.8150, 21.2145, 30.8906



22.7269, 21.2145, 16.5550



17.7263, 21.2145, 16.7419

Rectangle

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



17.8009, 21.2145, 31.1736



20.5316, 21.2145, 34.7186



22.7269, 21.2145, 16.5550



19.8004, 21.2145, 14.4129

Sweetspot

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



17.8016, 21.2153, 31.1741



43.1992, 47.2411, 56.2762



16.8317, 24.1309, 15.8830



9.7336, 10.6829, 12.8338



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.



17.8016, 21.2153, 31.1741



28.7454, 34.9969, 54.6746



14.2553, 14.1229, 29.9920



5.8524, 6.3389, 7.3848



9.7299, 12.1546, 25.7643



0.1412, 0.1930, 0.3227

Inverse Universe

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



19.9246, 14.8342, 24.3682



33.1047, 22.6504, 40.5301



22.0119, 23.1412, 12.3241



5.9790, 5.8866, 6.9953



13.0383, 6.4204, 14.2145



0.1707, 0.0830, 0.2327

Previews

White Background



This preview shows how the XYZ color 17.8009, 21.2145, 31.1736 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 17.8009, 21.2145, 31.1736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

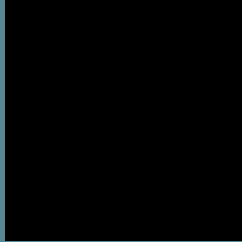
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.8009, 21.2145, 31.1736

Background



This preview shows how black text looks on a background with the XYZ color 17.8009, 21.2145, 31.1736.



This preview shows how white text looks on a background with the XYZ color 17.8009, 21.2145,

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

17.8009, 21.2145, 31.1736

Protanopia

20.7310, 21.1900, 28.9840

Deuteranopia

21.4651, 21.1293, 31.8012



Tritanopia

17.4737, 21.0730, 29.9346

Trichromacy



Original Color

17.8009, 21.2145, 31.1736

Protanomaly

19.5166, 21.1244, 29.8368

Deuteranomaly

19.8261, 21.0530, 31.4525

Tritanomaly

17.5512, 21.1040, 30.3426

Monochromacy



Original Color

17.8009, 21.2145, 31.1736

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.8643, 19.8116, 24.3552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8009, 21.2145, 31.1736 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(87, 134, 148)` looks like.

```
.text, #text, p{  
    color:rgb(87, 134, 148)  
}
```

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(87, 134, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 134, 148) }
```

Border

The CSS property to change the border of an element to XYZ 17.8009, 21.2145, 31.1736 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(87, 134, 148) }
```


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

```
.border{ border-color:rgb(87, 134, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 134, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 134, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 134, 148);  
box-shadow:4px 4px 4px 4px rgb(87, 134,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8009, 21.2145, 31.1736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 134, 148) }
```

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

```
.background{ background-color: rgb(87, 134,  
148) }
```

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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