

Converting Colors

XYZ(21.2700, 23.4734, 33.2267)

Have a look what the booklet for
XYZ(21.2700, 23.4734, 33.2267)
contains.

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Color

**XYZ(21.1537, 23.3201,
33.0921)**

Conversions

Conversions Part 1

Format	Color
Hex	708898
RGB	112, 136, 152
RGB Percent	44%, 53%, 60%
CMY	0.5608, 0.4667, 0.4039
CMYK	0.26, 0.11, 0.00, 0.40
HSL	204°, 16%, 52%
HSV	204°, 26%, 60%
XYZ	21.1537, 23.3201, 33.0921
YIQ	130.6480, -19.4400, -0.1120

Conversions

Conversions Part 2

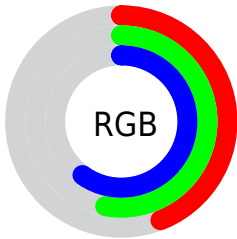
Format	Color
R_{YB}	112, 127, 152
Decimal	7375000
CIE Lab	55.40, -4.75, -11.36
CIE LCh	55, 12.318, 247.298
Yxy	23.3201, 0.2727, 0.3006
Android (android.graphics.Color)	4285565080 (0xFF708898)
YUV	130.6480, 10.5265, -16.3543
Hunter-Lab	48.2909, -6.3176, -6.8258

Details

The XYZ color **21.1537, 23.3201, 33.0921** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.5928, 23.2835, 18.5803**, and the grayscale version is **21.4172, 22.5325, 24.5379**.

A 20% lighter version of the original color is **44.6480, 48.7439, 65.4478**, and **7.7267, 8.6519, 13.5747** is the 20% darker color. If you saturate the color by 10%, you get **18.5487, 20.7425, 32.7323**, and if you desaturate by 10%, it is **24.1352, 26.1650, 33.4845**.

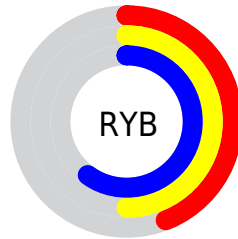
Distribution



Red (44%)

Green (53%)

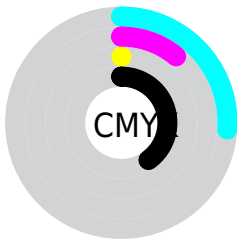
Blue (60%)



Red (44%)

Yellow (50%)

Blue (60%)

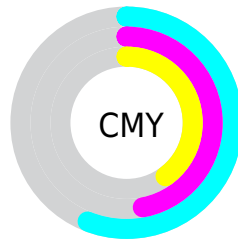


Cyan (26%)

Magenta (11%)

Yellow (0%)

Black (40%)



Cyan (56%)

Magenta (47%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1537, 23.3201, 33.0921 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 21.1537, 23.3201, 33.0921 by changing the saturation by 10% instead.

■ 21.1537, 23.3201,
33.0921

■ 21.1537, 23.3201,
33.0921

250.8105,
269.3649, 330.7093

■ 13.3495, 14.8300,
21.9253

■ 44.8325, 48.9184,
65.6370

■ 7.7483, 8.7002,
13.6042

■ 61.4379, 66.7954,
87.8521

■ 3.9848, 4.5462,
7.7103

■ 81.7077, 88.5702,
114.5871

■ 1.6935, 1.9835,
3.8251

■ 106.0073,
114.6272, 146.2606

■ 0.4522, 0.5979,
1.5299

134.7020,
145.3508, 183.2910

■ 0.0000, 0.0000,
0.2400

168.1572,

■ 0.0000, 0.0000,

181.1253, 226.0969

0.0000

206.7382,
222.3352, 275.0968

■ 21.1537, 23.3201,
33.0921

■ 21.1537, 23.3201,
33.0921

■ 18.5487, 20.7425,
32.7323

■ 24.1352, 26.1650,
33.4845

■ 16.3008, 18.4194,
32.4023

■ 27.5072, 29.2839,
33.9088

■ 14.3923, 16.3409,
32.1017

■ 31.2853, 32.6866,
34.3664

■ 12.8025, 14.4952,
31.8293

■ 35.4837, 36.3814,
34.8583

■ 11.5088, 12.8693,
31.5836

■ 40.1160, 40.3765,
35.3853

■ 10.4846, 11.4482,
31.3633

■ 45.1950, 44.6795,
35.9481

■ 9.6915, 10.2108,
31.1663

■ 50.7330, 49.2978,
36.5477

■ 9.4265, 9.7849,
31.0980

■ 56.7419, 54.2385,
37.1846

■ 63.2330, 59.5085,
37.8597

Harmonies

Analogous

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



20.1146, 23.3201, 30.2959



21.1537, 23.3201, 33.0921



22.5048, 23.3201, 33.7270

Triad

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



21.1537, 23.3201, 33.0921



24.9111, 23.3201, 24.4357



20.5912, 23.3201, 19.7982

Complementary

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



21.1537, 23.3201, 33.0921



23.5928, 23.2835, 18.5803

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.



21.8287, 23.3201, 18.5569



21.1537, 23.3201, 33.0921



24.3503, 23.3201, 21.0474

Square

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



21.1537, 23.3201, 33.0921



24.7120, 23.3201, 28.4483



23.2081, 23.3201, 18.9893



19.7994, 23.3201, 22.5621

Rectangle

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



21.1537, 23.3201, 33.0921



23.4081, 23.3201, 32.7849



23.2081, 23.3201, 18.9893



20.9668, 23.3201, 19.2029

Sweetspot

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



21.1544, 23.3210, 33.0926



47.4040, 50.6382, 59.7094



21.7632, 27.4427, 24.3431



10.5771, 11.3282, 13.5466



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.1544, 23.3210, 33.0926



34.3631, 38.2394, 58.0035



18.6725, 18.3572, 32.2653



6.1772, 6.6117, 7.8796



7.9346, 8.2659, 26.0850



0.1541, 0.1945, 0.4018

Inverse Universe

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



23.1875, 20.0418, 25.9400



38.6864, 31.6487, 42.7081



26.3596, 28.8169, 19.5025



6.3565, 6.2818, 7.2576



12.4638, 6.2398, 8.9673



0.2042, 0.1004, 0.2283

Previews

White Background



This preview shows how the XYZ color 21.1537, 23.3201, 33.0921 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 21.1537, 23.3201, 33.0921 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

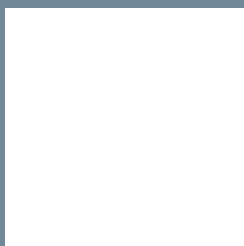
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1537, 23.3201, 33.0921

Background



This preview shows how black text looks on a background with the XYZ color 21.1537, 23.3201, 33.0921.



This preview shows how white text looks on a background with the XYZ color 21.1537, 23.3201,

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

21.1537, 23.3201, 33.0921

Protanopia

22.7470, 23.1484, 31.7030

Deuteranopia

23.5917, 23.1513, 33.3622



Tritanopia

20.8465, 23.4089, 31.4366

Trichromacy



Original Color

21.1537, 23.3201, 33.0921

Protanomaly

22.0609, 23.1880, 32.1672

Deuteranomaly

22.7534, 23.3145, 33.4379

Tritanomaly

20.9260, 23.4408, 31.8554

Monochromacy



Original Color

21.1537, 23.3201, 33.0921

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.3599, 22.9242, 27.7251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1537, 23.3201, 33.0921 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(112, 136, 152) looks like.

```
.text, #text, p{  
    color:rgb(112, 136, 152)  
}
```

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(112, 136, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 136, 152) }
```

Border

The CSS property to change the border of an element to XYZ 21.1537, 23.3201, 33.0921 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(112, 136, 152) }
```


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

```
.border{ border-color:rgb(112, 136, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 136, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 136, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 136, 152);  
box-shadow:4px 4px 4px 4px rgb(112, 136,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1537, 23.3201, 33.0921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 136, 152) }
```

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

```
.background{ background-color: rgb(112,  
136, 152) }
```

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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