

Converting Colors

XYZ(21.6435, 18.4187, 73.8813)

Have a look what the booklet for
XYZ(21.6435, 18.4187, 73.8813)
contains.

XYZ(21.5456, 18.3033, 73.6315)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.5456, 18.3033,
73.6315)**

Conversions

Conversions Part 1

Format	Color
Hex	3F71E1
RGB	63, 113, 225
RGB Percent	25%, 44%, 88%
CMY	0.7529, 0.5569, 0.1176
CMYK	0.72, 0.50, 0.00, 0.12
HSL	221°, 73%, 56%
HSV	221°, 72%, 88%
XYZ	21.5456, 18.3033, 73.6315
YIQ	110.8180, -65.7520, 24.2320

Conversions

Conversions Part 2

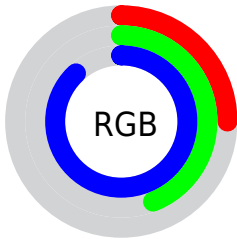
Format	Color
R _Y B	63, 101, 225
Decimal	4157921
CIE Lab	49.86, 20.98, -61.99
CIE LCh	50, 65.447, 288.696
Yxy	18.3033, 0.1899, 0.1613
Android (android.graphics.Color)	4282348001 (0xFF3F71E1)
YUV	110.8180, 56.2917, -41.9364
Hunter-Lab	42.7824, 15.0252, -72.0947

Details

The XYZ color **21.5456, 18.3033, 73.6315** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **47.2808, 47.0303, 11.2898**, and the grayscale version is **14.9138, 15.6904, 17.0869**.

A 20% lighter version of the original color is **40.5314, 38.5167, 99.9060**, and **9.1096, 6.7610, 38.3610** is the 20% darker color. If you saturate the color by 10%, you get **18.8016, 14.5294, 73.0481**, and if you desaturate by 10%, it is **25.1755, 22.9757, 74.3425**.

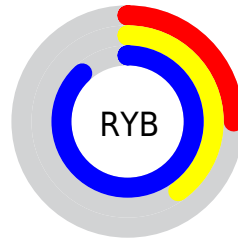
Distribution



Red (25%)

Green (44%)

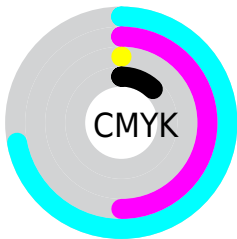
Blue (88%)



Red (25%)

Yellow (40%)

Blue (88%)

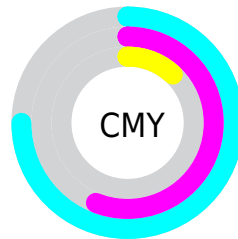


Cyan (72%)

Magenta (50%)

Yellow (0%)

Black (12%)



Cyan (75%)

Magenta (56%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5456, 18.3033, 73.6315 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 21.5456, 18.3033, 73.6315 by changing the saturation by 10% instead.

■ 21.5456, 18.3033,
73.6315

■ 21.5456, 18.3033,
73.6315

252.8412,
242.5751, 492.3299

■ 13.6381, 11.1680,
53.9975

■ 45.4783, 40.5535,
126.1025

■ 7.9494, 6.1799,
38.2065

■ 62.2342, 56.4371,
159.7766

■ 4.1141, 2.9548,
25.8399

■ 82.6703, 76.0056,
198.9679

■ 1.7669, 1.1082,
16.4792

■ 107.1520, 99.6433,
244.0948

■ 0.4976, 0.0000,
9.7059

136.0445,
127.7348, 295.5759

■ 0.0000, 0.0000,
5.1014

169.7134,

■ 0.0000, 0.0000,

160.6643, 353.8298

2.2471

208.5238,
198.8163, 419.2749

■ 0.0000, 0.0000,
0.7013

■ 0.0000, 0.0000,
0.0000

■ 21.5456, 18.3033,
73.6315

■ 21.5456, 18.3033,
73.6315

■ 18.8016, 14.5294,
73.0481

■ 25.1755, 22.9757,
74.3425

■ 16.8492, 11.5827,
72.5823

■ 29.7667, 28.6061,
75.1873

■ 15.7458, 9.7464,
72.2860

■ 35.3888, 35.2500,
76.1734

■ 42.1036, 42.9578,
77.3072

■ 49.9681, 51.7765,
78.5949

■ 59.0352, 61.7497,
80.0420

■ 69.3542, 72.9190,
81.6540

■ 80.9718, 85.3235,
83.4360

■ 89.9588, 96.9524,
85.2070

Harmonies

Analogous

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



15.1433, 18.3033, 76.4139



21.5456, 18.3033, 73.6315



28.0911, 18.3033, 52.4231

Triad

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



21.5456, 18.3033, 73.6315



26.6082, 18.3033, 3.6335



8.0645, 18.3033, 13.9092

Complementary

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



21.5456, 18.3033, 73.6315



47.2808, 47.0303, 11.2898

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.



9.8331, 18.3033, 4.7400



21.5456, 18.3033, 73.6315



19.8633, 18.3033, 1.6385

Square

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



21.5456, 18.3033, 73.6315



31.4637, 18.3033, 10.7985



13.8179, 18.3033, 1.8657



8.3074, 18.3033, 33.1412

Rectangle

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



21.5456, 18.3033, 73.6315



31.1865, 18.3033, 35.2528



13.8179, 18.3033, 1.8657



8.4223, 18.3033, 9.8485

Sweetspot

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



21.5464, 18.3038, 73.6320



66.1871, 68.5692, 104.3545



36.5870, 57.9523, 49.1506



13.5244, 13.9615, 22.2320



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



21.5464, 18.3038, 73.6320



23.6550, 17.3654, 96.7128



19.8535, 11.3043, 72.3702



13.2954, 13.9298, 17.3757



9.1647, 5.7989, 41.6846



0.7130, 0.5574, 2.9153

Inverse Universe

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



35.8103, 20.7560, 17.7420



44.3290, 23.4905, 15.1291



50.4067, 65.8522, 14.7581



13.8805, 13.7699, 15.1411



18.5661, 9.4934, 4.3808



1.3261, 0.6737, 0.5103

Previews

White Background



This preview shows how the XYZ color 21.5456, 18.3033, 73.6315 looks on a white background.

Color Contrast Check

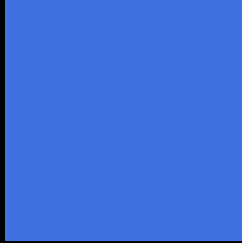
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.5456, 18.3033, 73.6315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

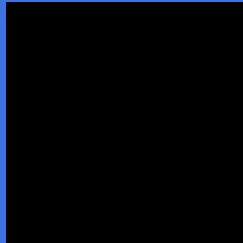
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.5456, 18.3033, 73.6315

Background



This preview shows how black text looks on a background with the XYZ color 21.5456, 18.3033, 73.6315.



This preview shows how white text looks on a background with the XYZ color 21.5456, 18.3033,

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

21.5456, 18.3033, 73.6315

Protanopia

21.2661, 18.3099, 74.3648

Deuteranopia

18.4743, 18.1361, 64.1549



Tritanopia

12.9240, 18.1557, 28.0225

Trichromacy



Original Color

21.5456, 18.3033, 73.6315

Protanomaly

21.4321, 18.3955, 74.3726

Deuteranomaly

19.1093, 17.8626, 67.4064

Tritanomaly

15.0074, 17.5760, 41.6313

Monochromacy



Original Color

21.5456, 18.3033, 73.6315

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.0778, 16.2350, 31.9920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5456, 18.3033, 73.6315 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(63, 113, 225)` looks like.

```
.text, #text, p{  
    color:rgb(63, 113, 225)  
}
```

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(63, 113, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 113, 225) }
```

Border

The CSS property to change the border of an element to XYZ 21.5456, 18.3033, 73.6315 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(63, 113, 225) }
```


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

```
.border{ border-color:rgb(63, 113, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 113, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 113, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 113, 225);  
box-shadow:4px 4px 4px 4px rgb(63, 113,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5456, 18.3033, 73.6315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 113, 225) }
```

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

```
.background{ background-color: rgb(63, 113,  
225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor