

Converting Colors

XYZ(21.5753, 17.7336, 77.8871)

Have a look what the booklet for
XYZ(21.5753, 17.7336, 77.8871)
contains.

XYZ(21.5753, 17.7336, 77.8871)	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(21.5753, 17.7336,
77.8871)**

Conversions

Conversions Part 1

Format	Color
Hex	376EE7
RGB	55, 110, 231
RGB Percent	22%, 43%, 91%
CMY	0.7843, 0.5686, 0.0941
CMYK	0.76, 0.52, 0.00, 0.09
HSL	221°, 79%, 56%
HSV	221°, 76%, 91%
XYZ	21.5753, 17.7336, 77.8871
YIQ	107.3490, -71.6210, 25.9710

Conversions

Conversions Part 2

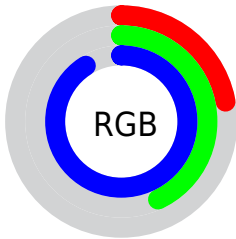
Format	Color
R _Y B	55, 97, 231
Decimal	3632871
CIE Lab	49.17, 24.10, -66.50
CIE LCh	49, 70.734, 289.917
Yxy	17.7336, 0.1841, 0.1513
Android (android.graphics.Color)	4281822951 (0xFF376EE7)
YUV	107.3490, 60.9599, -45.9101
Hunter-Lab	42.1113, 17.7580, -80.1822

Details

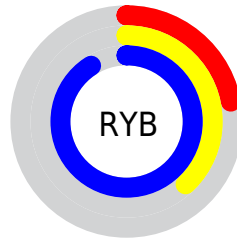
The XYZ color **21.5753, 17.7336, 77.8871** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **49.1733, 48.3214, 10.3515**, and the grayscale version is **13.9236, 14.6487, 15.9524**.

A 20% lighter version of the original color is **39.3991, 37.1454, 99.7010**, and **9.4734, 6.7228, 40.8427** is the 20% darker color. If you saturate the color by 10%, you get **19.0301, 14.1016, 77.3206**, and if you desaturate by 10%, it is **25.0210, 22.2858, 78.5846**.

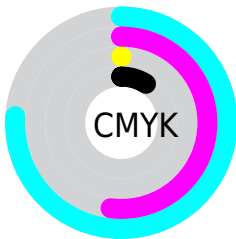
Distribution



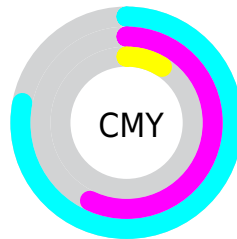
- Red (22%)
- Green (43%)
- Blue (91%)



- Red (22%)
- Yellow (38%)
- Blue (91%)



- Cyan (76%)
- Magenta (52%)
- Yellow (0%)
- Black (9%)



- Cyan (78%)
- Magenta (57%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5753, 17.7336, 77.8871 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 21.5753, 17.7336, 77.8871 by changing the saturation by 10% instead.

■ 21.5753, 17.7336,
77.8871

■ 21.5753, 17.7336,
77.8871

252.9946,
239.3652, 507.3011

■ 13.6600, 10.7589,
57.4653

■ 45.5271, 39.5829,
132.1754

■ 7.9647, 5.9050,
40.9671

■ 62.2944, 55.2262,
166.8790

■ 4.1240, 2.7874,
27.9739

■ 82.7431, 74.5279,
207.1803

■ 1.7725, 1.0218,
18.0671

■ 107.2385, 97.8723,
253.4978

■ 0.5010, 0.0000,
10.8282

■ 136.1460,
125.6438, 306.2501

■ 0.0000, 0.0000,
5.8387

169.8309,

■ 0.0000, 0.0000,

158.2269, 365.8557

2.6801

208.6587,
196.0059, 432.7332

■ 0.0000, 0.0000,
0.9334

■ 0.0000, 0.0000,
0.0000

■ 21.5753, 17.7336,
77.8871

■ 21.5753, 17.7336,
77.8871

■ 19.0301, 14.1016,
77.3206

■ 25.0210, 22.2858,
78.5846

■ 17.2753, 11.3087,
76.8740

■ 29.4529, 27.8249,
79.4202

■ 16.7526, 10.4269,
76.7314

■ 34.9485, 34.4119,
80.4019

■ 41.5765, 42.1020,
81.5369

■ 49.3995, 50.9462,
82.8317

■ 58.4753, 60.9922,
84.2924

■ 68.8579, 72.2846,
85.9249

■ 80.5980, 84.8660,
87.7346

■ 90.7713, 97.2443,
89.5876

Harmonies

Analogous

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



14.7229, 17.7336, 82.0588



21.5753, 17.7336, 77.8871



28.5943, 17.7336, 53.5920

Triad

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



21.5753, 17.7336, 77.8871



26.4549, 17.7336, 2.6894



7.1704, 17.7336, 13.6023

Complementary

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



21.5753, 17.7336, 77.8871



49.1733, 48.3214, 10.3515

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.



8.8698, 17.7336, 4.0604



21.5753, 17.7336, 77.8871



19.1842, 17.7336, 1.0614

Square

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



21.5753, 17.7336, 77.8871



31.8839, 17.7336, 9.3604



12.8793, 17.7336, 1.3128



7.4946, 17.7336, 34.5849

Rectangle

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



21.5753, 17.7336, 77.8871



31.8645, 17.7336, 34.7323



12.8793, 17.7336, 1.3128



7.5020, 17.7336, 9.2989

Sweetspot

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



21.5762, 17.7341, 77.8876



65.1238, 67.4382, 104.1922



37.9170, 61.0706, 50.4868



13.1028, 13.5018, 22.1655



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.



21.5762, 17.7341, 77.8876



22.5353, 15.6678, 96.4442



19.7473, 10.5429, 76.5960



13.9484, 14.6182, 18.2308



9.4893, 6.0407, 43.0490



0.7819, 0.6077, 3.2080

Inverse Universe

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



37.1365, 20.8485, 16.8188



43.6316, 22.7053, 13.0176



52.7493, 69.5342, 14.2575



14.5615, 14.4418, 15.8915



19.1833, 9.8075, 4.5941



1.4583, 0.7410, 0.5538

Previews

White Background



This preview shows how the XYZ color 21.5753, 17.7336, 77.8871 looks on a white background.

Color Contrast Check

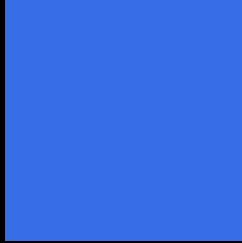
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5753, 17.7336, 77.8871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

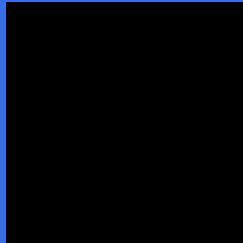
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.5753, 17.7336, 77.8871

Background



This preview shows how black text looks on a background with the XYZ color 21.5753, 17.7336, 77.8871.



This preview shows how white text looks on a background with the XYZ color 21.5753, 17.7336,

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

21.5753, 17.7336, 77.8871

Protanopia

21.0978, 17.7786, 79.4104

Deuteranopia

17.7374, 17.6499, 60.8644



Tritanopia

12.4377, 17.5355, 26.7739

Trichromacy



Original Color

21.5753, 17.7336, 77.8871

Protanomaly

21.1250, 17.6462, 78.6366

Deuteranomaly

18.7996, 17.5458, 66.6858

Tritanomaly

14.6944, 17.0463, 41.5455

Monochromacy



Original Color

21.5753, 17.7336, 77.8871

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.0546, 15.0668, 31.8205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5753, 17.7336, 77.8871 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(55, 110, 231)` looks like.

```
.text, #text, p{  
    color:rgb(55, 110, 231)  
}
```

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(55, 110, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 110, 231) }
```

Border

The CSS property to change the border of an element to XYZ 21.5753, 17.7336, 77.8871 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(55, 110, 231) }
```


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

```
.border{ border-color:rgb(55, 110, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 110, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 110, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 110, 231);  
box-shadow:4px 4px 4px 4px rgb(55, 110,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5753, 17.7336, 77.8871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 110, 231) }
```

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

```
.background{ background-color: rgb(55, 110,  
231) }
```

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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