

Converting Colors

XYZ(21.4361, 17.5478, 82.4939)

Have a look what the booklet for
XYZ(21.4361, 17.5478, 82.4939)
contains.

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Color

**XYZ(21.4271, 17.5576,
82.3804)**

Conversions

Conversions Part 1

Format	Color
Hex	1F6EED
RGB	31, 110, 237
RGB Percent	12%, 43%, 93%
CMY	0.8783, 0.5686, 0.0706
CMYK	0.87, 0.54, 0.00, 0.07
HSL	217°, 85%, 53%
HSV	217°, 87%, 93%
XYZ	21.4271, 17.5576, 82.3804
YIQ	100.8570, -87.8510, 22.7490

Conversions

Conversions Part 2

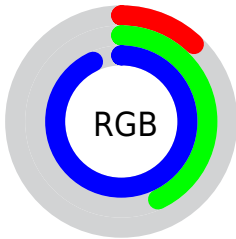
Format	Color
R_{YB}	31, 88, 237
Decimal	2060013
CIE _{Lab}	48.96, 24.33, -70.25
CIE _{LCh}	49, 74.345, 289.101
Yxy	17.5576, 0.1766, 0.1447
Android (android.graphics.Color)	4280250093 (0xFF1F6EED)
YUV	100.8570, 67.1185, -61.2646
Hunter-Lab	41.9018, 17.9505, -87.2350

Details

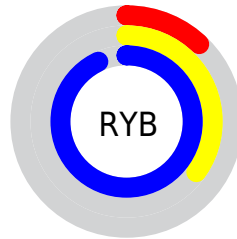
The XYZ color **21.4271, 17.5576, 82.3804** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **47.4047, 42.5672, 7.0160**, and the grayscale version is **12.1840, 12.8186, 13.9594**.

A 20% lighter version of the original color is **37.8651, 36.3546, 99.6292**, and **10.0716, 6.9621, 43.9930** is the 20% darker color. If you saturate the color by 10%, you get **19.5050, 14.4160, 81.8758**, and if you desaturate by 10%, it is **24.1316, 21.4885, 82.9971**.

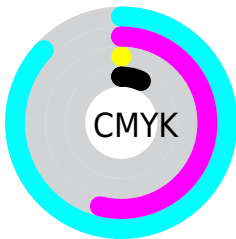
Distribution



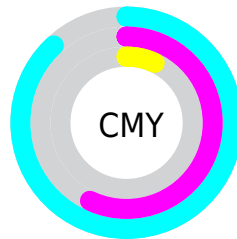
- Red (12%)
- Green (43%)
- Blue (93%)



- Red (12%)
- Yellow (35%)
- Blue (93%)



- Cyan (87%)
- Magenta (54%)
- Yellow (0%)
- Black (7%)



- Cyan (88%)
- Magenta (57%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4271, 17.5576, 82.3804 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 21.4271, 17.5576, 82.3804 by changing the saturation by 10% instead.

■ 21.4271, 17.5576,
82.3804

■ 21.4271, 17.5576,
82.3804

252.2286,
238.3655, 522.8360

■ 13.5508, 10.6328,
61.1415

■ 45.2832, 39.2820,
138.5488

■ 7.8885, 5.8205,
43.9081

■ 61.9937, 54.8505,
174.3154

■ 4.0749, 2.7363,
30.2616

■ 82.3797, 74.0690,
215.7616

■ 1.7446, 0.9956,
19.7835

■ 106.8065, 97.3219,
263.3059

■ 0.4839, 0.0000,
12.0552

■ 135.6394,
124.9936, 317.3670

■ 0.0000, 0.0000,
6.6583

169.2438,

■ 0.0000, 0.0000,

157.4685, 378.3634

3.1742

207.9851,
195.1310, 446.7135

■ 0.0000, 0.0000,
1.1842

■ 0.0000, 0.0000,
0.0000

■ 21.4271, 17.5576,
82.3804

■ 21.4271, 17.5576,
82.3804

■ 19.5050, 14.4160,
81.8758

■ 24.1316, 21.4885,
82.9971

■ 19.0160, 13.5741,
81.7391

■ 27.7287, 26.2832,
83.7329

■ 32.3093, 32.0050,
84.5959

■ 37.9514, 38.7098,
85.5927

■ 44.7243, 46.4480,
86.7294

■ 52.6911, 55.2664,
88.0116

■ 61.9100, 65.2084,
89.4447

■ 72.4352, 76.3149,
91.0337

■ 84.3176, 88.6246,
92.7835

Harmonies

Analogous

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



14.2985, 17.5576, 86.1692



21.4271, 17.5576, 82.3804



28.8880, 17.5576, 56.4484

Triad

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



21.4271, 17.5576, 82.3804



26.9927, 17.5576, 2.3643



6.7419, 17.5576, 12.7843

Complementary

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



21.4271, 17.5576, 82.3804



47.4047, 42.5672, 7.0160

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.



8.5215, 17.5576, 3.4547



21.4271, 17.5576, 82.3804



19.3299, 17.5576, 0.7971

Square

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



21.4271, 17.5576, 82.3804



32.6656, 17.5576, 9.1691



12.7048, 17.5576, 0.9897



7.0144, 17.5576, 34.4782

Rectangle

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



21.4271, 17.5576, 82.3804



32.4428, 17.5576, 36.1687



12.7048, 17.5576, 0.9897



7.0948, 17.5576, 8.4982

Sweetspot

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



21.4280, 17.5580, 82.3809



63.0389, 66.1544, 104.0543



36.7341, 63.2140, 41.1050



12.7487, 13.3451, 22.1539



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.



21.4280, 17.5580, 82.3809



22.3961, 15.9123, 96.4987



17.1738, 7.8161, 80.7247



14.7046, 15.4957, 19.1382



10.4994, 7.6459, 44.6654



0.9150, 0.7814, 3.5375

Inverse Universe

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



38.2304, 20.1119, 16.6188



43.4337, 22.1375, 13.4820



58.9703, 75.3282, 12.7300



15.3045, 15.1496, 16.8886



20.1549, 10.2647, 6.6172



1.6283, 0.8243, 0.7602

Previews

White Background



This preview shows how the XYZ color 21.4271, 17.5576, 82.3804 looks on a white background.

Color Contrast Check

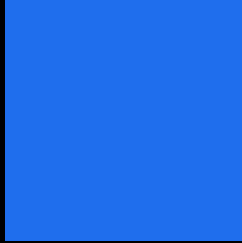
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4271, 17.5576, 82.3804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

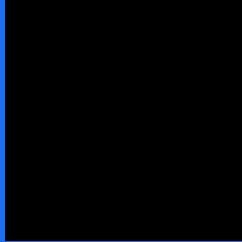
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

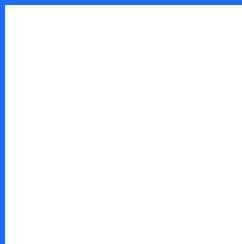
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4271, 17.5576, 82.3804

Background



This preview shows how black text looks on a background with the XYZ color 21.4271, 17.5576, 82.3804.



This preview shows how white text looks on a background with the XYZ color 21.4271, 17.5576,

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

21.4271, 17.5576, 82.3804

Protanopia

20.9705, 17.4833, 82.3901

Deuteranopia

17.3775, 17.3165, 59.5533



Tritanopia

12.2345, 17.2445, 26.3506

Trichromacy



Original Color

21.4271, 17.5576, 82.3804

Protanomaly

21.1085, 17.5545, 82.3966

Deuteranomaly

18.6634, 17.2905, 67.3195

Tritanomaly

14.5182, 16.7630, 42.0056

Monochromacy



Original Color

21.4271, 17.5576, 82.3804

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.4358, 13.6391, 30.7786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4271, 17.5576, 82.3804 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(31, 110, 237)` looks like.

```
.text, #text, p{  
    color:rgb(31, 110, 237)  
}
```

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(31, 110, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 110, 237) }
```

Border

The CSS property to change the border of an element to XYZ 21.4271, 17.5576, 82.3804 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(31, 110, 237) }
```


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

```
.border{ border-color:rgb(31, 110, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 110, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 110, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 110, 237);  
box-shadow:4px 4px 4px 4px rgb(31, 110,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4271, 17.5576, 82.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 110, 237) }
```

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

```
.background{ background-color: rgb(31, 110,  
237) }
```

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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