

Converting Colors

XYZ(21.6474, 18.6294, 79.5457)

Have a look what the booklet for
XYZ(21.6474, 18.6294, 79.5457)
contains.

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Color

**XYZ(21.6017, 18.5380,
79.5305)**

Conversions

Conversions Part 1

Format	Color
Hex	2573E9
RGB	37, 115, 233
RGB Percent	15%, 45%, 91%
CMY	0.8548, 0.5490, 0.0863
CMYK	0.84, 0.51, 0.00, 0.09
HSL	216°, 82%, 53%
HSV	216°, 84%, 91%
XYZ	21.6017, 18.5380, 79.5305
YIQ	105.1300, -84.3660, 20.1620

Conversions

Conversions Part 2

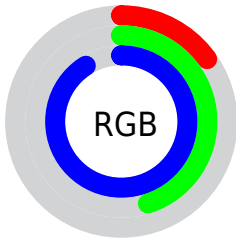
Format	Color
RYP	37, 93, 233
Decimal	2454505
CIELab	50.14, 20.04, -66.08
CIElCh	50, 69.049, 286.867
Yxy	18.5380, 0.1805, 0.1549
Android (android.graphics.Color)	4280644585 (0xFF2573E9)
YUV	105.1300, 63.0399, -59.7500
Hunter-Lab	43.0558, 14.2084, -79.3785

Details

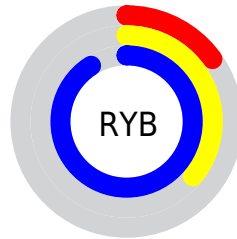
The XYZ color **21.6017, 18.5380, 79.5305** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **45.6639, 40.9076, 7.2413**, and the grayscale version is **13.3155, 14.0089, 15.2557**.

A 20% lighter version of the original color is **39.0223, 38.2743, 99.9387**, and **9.9036, 7.2688, 41.9553** is the 20% darker color. If you saturate the color by 10%, you get **19.5358, 15.2761, 79.0103**, and if you desaturate by 10%, it is **24.4452, 22.5622, 80.1579**.

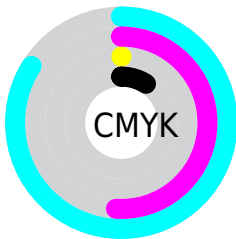
Distribution



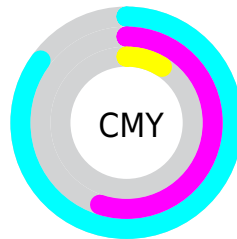
- Red (15%)
- Green (45%)
- Blue (91%)



- Red (15%)
- Yellow (36%)
- Blue (91%)



- Cyan (84%)
- Magenta (51%)
- Yellow (0%)
- Black (9%)



- Cyan (85%)
- Magenta (55%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6017, 18.5380, 79.5305 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 21.6017, 18.5380, 79.5305 by changing the saturation by 10% instead.

■ 21.6017, 18.5380,
79.5305

■ 21.6017, 18.5380,
79.5305

253.1308,
243.8862, 513.0142

■ 13.6795, 11.3369,
58.8082

■ 45.5706, 40.9520,
134.5109

■ 7.9783, 6.2939,
42.0397

■ 62.3480, 56.9336,
169.6060

■ 4.1327, 3.0246,
28.8066

■ 82.8078, 76.6110,
210.3292

■ 1.7775, 1.1446,
18.6902

■ 107.3154,
100.3683, 257.0989

■ 0.5041, 0.0157,
11.2721

■ 136.2361,
128.5902, 310.3337

■ 0.0000, 0.0000,
6.1337

169.9354,

■ 0.0000, 0.0000,

161.6608, 370.4521

2.8565

208.7785,
199.9647, 437.8728

■ 0.0000, 0.0000,
1.0218

■ 0.0000, 0.0000,
0.0000

■ 21.6017, 18.5380,
79.5305

■ 21.6017, 18.5380,
79.5305

■ 19.5358, 15.2761,
79.0103

■ 24.4452, 22.5622,
80.1579

■ 18.5969, 13.6609,
78.7480

■ 28.1618, 27.4132,
80.8983

■ 32.8340, 33.1479,
81.7590

■ 38.5332, 39.8167,
82.7458

■ 45.3233, 47.4656,
83.8643

■ 53.2629, 56.1371,
85.1196

■ 62.4060, 65.8709,
86.5165

■ 72.8030, 76.7045,
88.0596

■ 84.5013, 88.6733,
89.7533

Harmonies

Analogous

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



14.8682, 18.5380, 81.0834



21.6017, 18.5380, 79.5305



28.7113, 18.5380, 57.0612

Triad

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



21.6017, 18.5380, 79.5305



27.9020, 18.5380, 3.5093



7.8617, 18.5380, 12.9478

Complementary

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



21.6017, 18.5380, 79.5305



45.6639, 40.9076, 7.2413

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.



9.8310, 18.5380, 4.0625



21.6017, 18.5380, 79.5305



20.6916, 18.5380, 1.3947

Square

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



21.6017, 18.5380, 79.5305



32.9304, 18.5380, 11.3057



14.1600, 18.5380, 1.5014



7.9885, 18.5380, 32.8020

Rectangle

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



21.6017, 18.5380, 79.5305



32.2096, 18.5380, 38.2870



14.1600, 18.5380, 1.5014



8.2742, 18.5380, 8.9352

Sweetspot

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



21.6026, 18.5385, 79.5310



64.3127, 67.7566, 104.2964



35.7865, 61.0254, 40.7315



13.0050, 13.6770, 22.2044



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.



21.6026, 18.5385, 79.5310



22.7487, 16.6174, 96.6162



17.0361, 8.0665, 77.7504



14.7230, 15.5324, 19.1443



10.6655, 7.9779, 44.7207



0.9292, 0.8098, 3.5422

Inverse Universe

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



37.3613, 19.8861, 18.0890



43.6117, 22.2087, 14.4191



57.0310, 72.6184, 12.7630



15.3137, 15.1533, 16.9374



20.2387, 10.2982, 7.0585



1.6355, 0.8272, 0.7979

Previews

White Background



This preview shows how the XYZ color 21.6017, 18.5380, 79.5305 looks on a white background.

Color Contrast Check

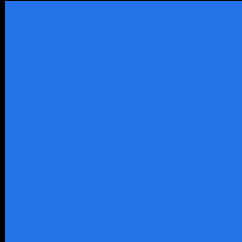
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6017, 18.5380, 79.5305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

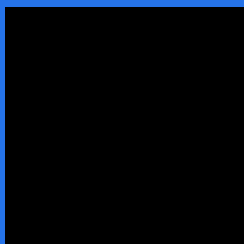
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

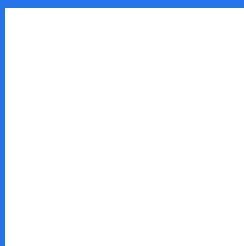
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6017, 18.5380, 79.5305

Background



This preview shows how black text looks on a background with the XYZ color 21.6017, 18.5380, 79.5305.



This preview shows how white text looks on a background with the XYZ color 21.6017, 18.5380,

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

21.6017, 18.5380, 79.5305

Protanopia

21.6650, 18.4187, 78.7572

Deuteranopia

18.5952, 18.3779, 64.1952



Tritanopia

12.9849, 18.3960, 27.6773

Trichromacy



Original Color

21.6017, 18.5380, 79.5305

Protanomaly

21.5376, 18.3531, 78.7513

Deuteranomaly

19.5490, 18.3937, 69.5378

Tritanomaly

15.2668, 18.0633, 42.7263

Monochromacy



Original Color

21.6017, 18.5380, 79.5305

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.4444, 14.9098, 31.8223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6017, 18.5380, 79.5305 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(37, 115, 233)` looks like.

```
.text, #text, p{  
    color:rgb(37, 115, 233)  
}
```

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(37, 115, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 115, 233) }
```

Border

The CSS property to change the border of an element to XYZ 21.6017, 18.5380, 79.5305 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(37, 115, 233) }
```


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

```
.border{ border-color:rgb(37, 115, 233) }
```

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

Here you see how a box with a 4 pixel rgb(37, 115, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 115, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 115, 233);  
box-shadow:4px 4px 4px 4px rgb(37, 115,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6017, 18.5380, 79.5305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 115, 233) }
```

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

```
.background{ background-color: rgb(37, 115,  
233) }
```

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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