

Converting Colors

XYZ(21.0576, 18.5842, 72.8413)

Have a look what the booklet for
XYZ(21.0576, 18.5842, 72.8413)
contains.

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Color

**XYZ(21.0652, 18.5764,
72.9964)**

Conversions

Conversions Part 1

Format	Color
Hex	3374E0
RGB	51, 116, 224
RGB Percent	20%, 45%, 88%
CMY	0.7999, 0.5451, 0.1216
CMYK	0.77, 0.48, 0.00, 0.12
HSL	217°, 74%, 54%
HSV	217°, 77%, 88%
XYZ	21.0652, 18.5764, 72.9964
YIQ	108.8770, -73.4080, 19.8080

Conversions

Conversions Part 2

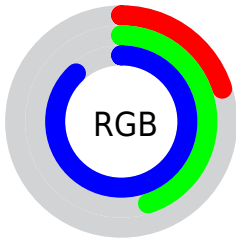
Format	Color
RYB	51, 98, 224
Decimal	3372256
CIELab	50.19, 17.29, -60.93
CIElCh	50, 63.332, 285.844
Yxy	18.5764, 0.1870, 0.1649
Android (android.graphics.Color)	4281562336 (0xFF3374E0)
YUV	108.8770, 56.7556, -50.7581
Hunter-Lab	43.1003, 11.8159, -70.2456

Details

The XYZ color **21.0652, 18.5764, 72.9964** 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 **43.7392, 40.8879, 8.7205**, and the grayscale version is **14.3618, 15.1097, 16.4544**.

A 20% lighter version of the original color is **39.8948, 38.9950, 100.0319**, and **9.1960, 7.0834, 37.9283** is the 20% darker color. If you saturate the color by 10%, you get **18.7034, 15.1433, 72.4587**, and if you desaturate by 10%, it is **24.2145, 22.7760, 73.6415**.

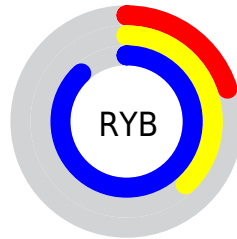
Distribution



Red (20%)

Green (45%)

Blue (88%)



Red (20%)

Yellow (38%)

Blue (88%)

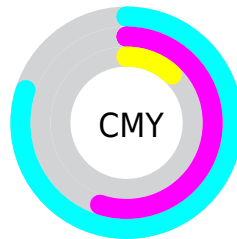


Cyan (77%)

Magenta (48%)

Yellow (0%)

Black (12%)



Cyan (80%)

Magenta (55%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0652, 18.5764, 72.9964 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 21.0652, 18.5764, 72.9964 by changing the saturation by 10% instead.

■ 21.0652, 18.5764,
72.9964

■ 21.0652, 18.5764,
72.9964

250.3500,
244.1002, 490.0728

■ 13.2844, 11.3646,
53.4812

■ 44.6865, 41.0171,
125.1930

■ 7.7030, 6.3126,
37.7967

■ 61.2577, 57.0147,
158.7114

■ 3.9557, 3.0361,
25.5243

■ 81.4897, 76.7098,
197.7347

■ 1.6771, 1.1506,
16.2456

■ 105.7479,
100.4867, 242.6814

■ 0.4419, 0.0208,
9.5419

■ 134.3977,
128.7298, 293.9700

■ 0.0000, 0.0000,
4.9947

167.8044,

■ 0.0000, 0.0000,

161.8235, 352.0191

2.1854

206.3334,
200.1521, 417.2472

■ 0.0000, 0.0000,
0.6660

■ 0.0000, 0.0000,
0.0000

■ 21.0652, 18.5764,
72.9964

■ 21.0652, 18.5764,
72.9964

■ 18.7034, 15.1433,
72.4587

■ 24.2145, 22.7760,
73.6415

■ 17.0247, 12.4064,
72.0189

■ 28.2278, 27.7962,
74.3989

■ 16.6367, 11.7459,
71.9118

■ 33.1743, 33.6870,
75.2753

■ 39.1149, 40.4932,
76.2759

■ 46.1051, 48.2564,
77.4059

■ 54.1960, 57.0149,
78.6700

■ 63.4352, 66.8052,
80.0728

■ 73.8673, 77.6615,
81.6184

■ 85.5347, 89.6165,
83.3111

Harmonies

Analogous

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



14.9340, 18.5764, 73.6025



21.0652, 18.5764, 72.9964



27.5074, 18.5764, 53.9230

Triad

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



21.0652, 18.5764, 72.9964



27.1794, 18.5764, 4.4091



8.5329, 18.5764, 13.0582

Complementary

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



21.0652, 18.5764, 72.9964



43.7392, 40.8879, 8.7205

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.



10.4924, 18.5764, 4.6683



21.0652, 18.5764, 72.9964



20.6909, 18.5764, 1.9930

Square

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



21.0652, 18.5764, 72.9964



31.5557, 18.5764, 12.3550



14.6366, 18.5764, 2.0483



8.5883, 18.5764, 30.8843

Rectangle

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



21.0652, 18.5764, 72.9964



30.7051, 18.5764, 37.3736



14.6366, 18.5764, 2.0483



8.9538, 18.5764, 9.3387

Sweetspot

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



21.0661, 18.5769, 72.9969



66.0770, 69.3445, 104.5099



34.1666, 56.4738, 41.3075



13.3303, 13.9567, 22.2413



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.



21.0661, 18.5769, 72.9969



23.5482, 17.8502, 96.8120



17.2520, 9.0978, 71.3683



13.3718, 14.0828, 17.4012



9.7856, 7.0407, 41.8916



0.7624, 0.6563, 2.9317

Inverse Universe

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



35.0776, 19.4773, 18.4338



44.1046, 22.7481, 15.9598



52.1059, 66.3626, 13.1966



13.9192, 13.7853, 15.3444



18.8795, 9.6188, 6.0312



1.3511, 0.6837, 0.6417

Previews

White Background



This preview shows how the XYZ color 21.0652, 18.5764, 72.9964 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 21.0652, 18.5764, 72.9964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

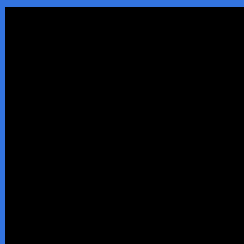
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

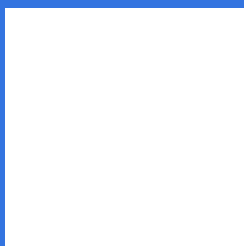
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0652, 18.5764, 72.9964

Background



This preview shows how black text looks on a background with the XYZ color 21.0652, 18.5764, 72.9964.



This preview shows how white text looks on a background with the XYZ color 21.0652, 18.5764,

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

21.0652, 18.5764, 72.9964

Protanopia

21.3135, 18.5498, 72.2692

Deuteranopia

18.8476, 18.4788, 65.5242



Tritanopia

13.0590, 18.4256, 28.0675

Trichromacy



Original Color

21.0652, 18.5764, 72.9964

Protanomaly

21.1374, 18.4590, 72.2609

Deuteranomaly

19.3898, 18.3419, 68.1640

Tritanomaly

15.0801, 18.0004, 41.2077

Monochromacy



Original Color

21.0652, 18.5764, 72.9964

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.4046, 15.8974, 31.5348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0652, 18.5764, 72.9964 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(51, 116, 224)` looks like.

```
.text, #text, p{  
    color:rgb(51, 116, 224)  
}
```

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(51, 116, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 116, 224) }
```

Border

The CSS property to change the border of an element to XYZ 21.0652, 18.5764, 72.9964 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(51, 116, 224) }
```


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

```
.border{ border-color:rgb(51, 116, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 116, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 116, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 116, 224);  
box-shadow:4px 4px 4px 4px rgb(51, 116,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0652, 18.5764, 72.9964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 116, 224) }
```

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

```
.background{ background-color: rgb(51, 116,  
224) }
```

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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