

Converting Colors

XYZ(21.3550, 19.4932, 73.4432)

Have a look what the booklet for
XYZ(21.3550, 19.4932, 73.4432)
contains.

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Color

**XYZ(21.2532, 19.3726,
73.1401)**

Conversions

Conversions Part 1

Format	Color
Hex	2D78E0
RGB	45, 120, 224
RGB Percent	18%, 47%, 88%
CMY	0.8235, 0.5294, 0.1216
CMYK	0.80, 0.46, 0.00, 0.12
HSL	215°, 74%, 53%
HSV	215°, 80%, 88%
XYZ	21.2532, 19.3726, 73.1401
YIQ	109.4310, -78.0840, 16.4440

Conversions

Conversions Part 2

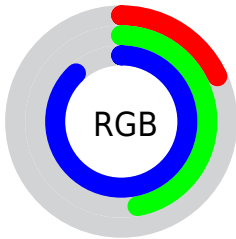
Format	Color
R_{YB}	45, 98, 224
Decimal	2980064
CIE _{Lab}	51.12, 14.17, -59.43
CIE _{LCh}	51, 61.099, 283.410
Yxy	19.3726, 0.1868, 0.1703
Android (android.graphics.Color)	4281170144 (0xFF2D78E0)
YUV	109.4310, 56.4825, -56.5060
Hunter-Lab	44.0143, 9.1673, -67.7142

Details

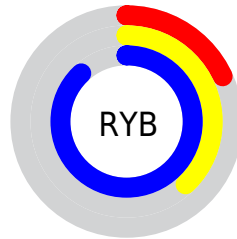
The XYZ color **21.2532, 19.3726, 73.1401** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **41.9648, 37.5372, 7.5179**, and the grayscale version is **14.5201, 15.2763, 16.6359**.

A 20% lighter version of the original color is **40.2737, 40.5766, 100.3172**, and **9.4504, 7.5922, 38.0131** is the 20% darker color. If you saturate the color by 10%, you get **19.0554, 16.0717, 72.6193**, and if you desaturate by 10%, it is **24.1878, 23.3694, 73.7574**.

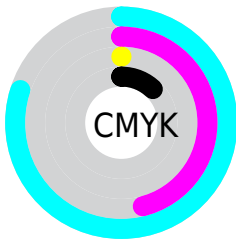
Distribution



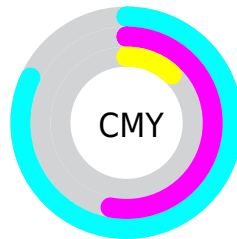
- Red (18%)
- Green (47%)
- Blue (88%)



- Red (18%)
- Yellow (38%)
- Blue (88%)



- Cyan (80%)
- Magenta (46%)
- Yellow (0%)
- Black (12%)



- Cyan (82%)
- Magenta (53%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2532, 19.3726, 73.1401 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 21.2532, 19.3726, 73.1401 by changing the saturation by 10% instead.

■ 21.2532, 19.3726,
73.1401

■ 21.2532, 19.3726,
73.1401

251.3274,
248.4981, 490.5840

■ 13.4227, 11.9398,
53.5980

■ 44.9967, 42.3628,
125.3988

■ 7.7993, 6.7027,
37.8894

■ 61.6403, 58.6889,
158.9526

■ 4.0175, 3.2769,
25.5957

■ 81.9525, 78.7484,
198.0139

■ 1.7120, 1.2779,
16.2984

■ 106.2984,
102.9254, 243.0015

■ 0.4638, 0.1240,
9.5789

■ 135.0435,
131.6045, 294.3337

■ 0.0000, 0.0000,
5.0187

168.5532,

■ 0.0000, 0.0000,

165.1701, 352.4292

2.1993

207.1927,
204.0065, 417.7064

■ 0.0000, 0.0000,
0.6740

■ 0.0000, 0.0000,
0.0000

■ 21.2532, 19.3726,
73.1401

■ 21.2532, 19.3726,
73.1401

■ 19.0554, 16.0717,
72.6193

■ 24.1878, 23.3694,
73.7574

■ 17.4573, 13.3831,
72.1845

■ 27.9371, 28.1139,
74.4755

■ 17.4434, 13.3594,
72.1807

■ 32.5707, 33.6535,
75.3006

■ 38.1494, 40.0302,
76.2374

■ 44.7281, 47.2827,
77.2905

■ 52.3574, 55.4469,
78.4642

■ 61.0841, 64.5565,
79.7626

■ 70.9521, 74.6432,
81.1894

■ 82.0029, 85.7373,
82.7484

Harmonies

Analogous

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



15.2790, 19.3726, 72.0462



21.2532, 19.3726, 73.1401



27.6497, 19.3726, 55.8633

Triad

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



21.2532, 19.3726, 73.1401



28.2544, 19.3726, 5.4567



9.3431, 19.3726, 12.9199

Complementary

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



21.2532, 19.3726, 73.1401



41.9648, 37.5372, 7.5179

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.



11.5034, 19.3726, 4.9415



21.2532, 19.3726, 73.1401



21.9488, 19.3726, 2.5431

Square

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



21.2532, 19.3726, 73.1401



32.2515, 19.3726, 14.2552



15.8380, 19.3726, 2.4278



9.2369, 19.3726, 29.8291

Rectangle

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



21.2532, 19.3726, 73.1401



30.9390, 19.3726, 39.8603



15.8380, 19.3726, 2.4278



9.8272, 19.3726, 9.3947

Sweetspot

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



21.2541, 19.3732, 73.1406



65.6931, 69.5554, 104.5709



32.9614, 55.9590, 36.4382



13.2868, 14.0567, 22.2629



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.



21.2541, 19.3732, 73.1406



24.0557, 19.0419, 97.0153



16.0781, 8.1283, 71.2429



13.4215, 14.1822, 17.4177



10.2612, 7.9919, 42.0501



0.7983, 0.7280, 2.9437

Inverse Universe

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



35.0699, 19.0815, 19.6041



44.3177, 22.6682, 17.5907



54.3009, 67.5084, 12.6528



13.9442, 13.7953, 15.4765



19.1196, 9.7148, 7.2954



1.3692, 0.6909, 0.7370

Previews

White Background



This preview shows how the XYZ color 21.2532, 19.3726, 73.1401 looks on a white background.

Color Contrast Check

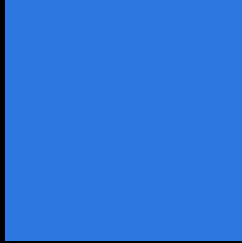
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2532, 19.3726, 73.1401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

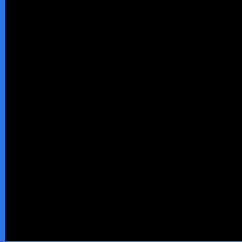
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

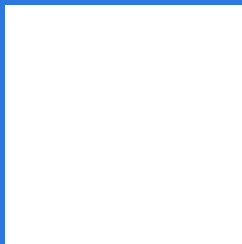
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2532, 19.3726, 73.1401

Background



This preview shows how black text looks on a background with the XYZ color 21.2532, 19.3726, 73.1401.



This preview shows how white text looks on a background with the XYZ color 21.2532, 19.3726,

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

21.2532, 19.3726, 73.1401

Protanopia

21.8667, 19.2082, 70.9617

Deuteranopia

19.6073, 19.1757, 68.3135



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

21.2532, 19.3726, 73.1401

Protanomaly

21.5267, 19.1915, 71.6770

Deuteranomaly

20.0915, 19.1965, 70.3565

Tritanomaly

15.6068, 18.8278, 42.3467

Monochromacy



Original Color

21.2532, 19.3726, 73.1401

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.3288, 16.0231, 31.5630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2532, 19.3726, 73.1401 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(45, 120, 224)` looks like.

```
.text, #text, p{  
    color:rgb(45, 120, 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(45, 120, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 120, 224) }
```

Border

The CSS property to change the border of an element to XYZ 21.2532, 19.3726, 73.1401 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(45, 120, 224) }
```


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

```
.border{ border-color:rgb(45, 120, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 120, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 120, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 120, 224);  
box-shadow:4px 4px 4px 4px rgb(45, 120,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2532, 19.3726, 73.1401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 120, 224) }
```

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

```
.background{ background-color: rgb(45, 120,  
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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