

Converting Colors

XYZ(21.1718, 22.9413, 41.3229)

Have a look what the booklet for
XYZ(21.1718, 22.9413, 41.3229)
contains.

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Color

**XYZ(21.1752, 22.9396,
41.3419)**

Conversions

Conversions Part 1

Format	Color
Hex	6487AA
RGB	100, 135, 170
RGB Percent	39%, 53%, 67%
CMY	0.6078, 0.4706, 0.3333
CMYK	0.41, 0.21, 0.00, 0.33
HSL	210°, 29%, 53%
HSV	210°, 41%, 67%
XYZ	21.1752, 22.9396, 41.3419
YIQ	128.5250, -32.0950, 3.4650

Conversions

Conversions Part 2

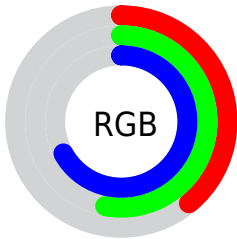
Format	Color
R _{YB}	100, 123, 170
Decimal	6588330
CIE Lab	55.01, -2.97, -22.39
CIE LCh	55, 22.589, 262.449
Yxy	22.9396, 0.2478, 0.2684
Android (android.graphics.Color)	4284778410 (0xFF6487AA)
YUV	128.5250, 20.4472, -25.0164
Hunter-Lab	47.8953, -4.8994, -17.6508

Details

The XYZ color **21.1752, 22.9396, 41.3419** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.5422, 26.7945, 15.7775**, and the grayscale version is **20.6400, 21.7148, 23.6475**.

A 20% lighter version of the original color is **44.7107, 48.1750, 78.1764**, and **7.7374, 8.4334, 18.3595** is the 20% darker color. If you saturate the color by 10%, you get **18.3486, 19.7921, 40.8838**, and if you desaturate by 10%, it is **24.4903, 26.4805, 41.8511**.

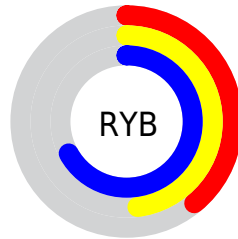
Distribution



Red (39%)

Green (53%)

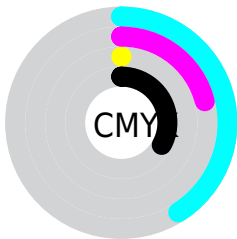
Blue (67%)



Red (39%)

Yellow (48%)

Blue (67%)

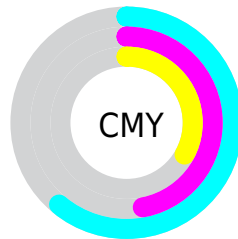


Cyan (41%)

Magenta (21%)

Yellow (0%)

Black (33%)



Cyan (61%)

Magenta (47%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1752, 22.9396, 41.3419 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 21.1752, 22.9396, 41.3419 by changing the saturation by 10% instead.

■ 21.1752, 22.9396,
41.3419

■ 21.1752, 22.9396,
41.3419

250.9223,
267.4146, 367.4664

■ 13.3653, 14.5489,
28.2646

■ 44.8680, 48.2941,
78.4619

■ 7.7593, 8.5034,
18.2845

■ 61.4817, 66.0268,
103.3418

■ 3.9918, 4.4187,
10.9829

■ 81.7606, 87.6422,
132.9929

■ 1.6975, 1.9104,
5.9413

■ 106.0702,
113.5248, 167.8338

■ 0.4547, 0.5546,
2.7412

134.7758,
144.0589, 208.2831

■ 0.0000, 0.0000,
0.9641

168.2428,

■ 0.0000, 0.0000,

179.6290, 254.7593

0.0000

206.8365,
220.6194, 307.6809

■ 21.1752, 22.9396,
41.3419

■ 21.1752, 22.9396,
41.3419

■ 18.3486, 19.7921,
40.8838

■ 24.4903, 26.4805,
41.8511

■ 15.9815, 17.0182,
40.4731

■ 28.3164, 30.4281,
42.4114

■ 14.0450, 14.6003,
40.1085

■ 32.6769, 34.7980,
43.0250

■ 12.5055, 12.5174,
39.7876

■ 37.5932, 39.6041,
43.6936

■ 11.3237, 10.7457,
39.5079

■ 43.0856, 44.8599,
44.4185

■ 10.5045, 9.3997,
39.2913

■ 49.1730, 50.5778,
45.2014

■ 55.8738, 56.7701,
46.0434

■ 63.2052, 63.4482,
46.9460

■ 71.1840, 70.6235,
47.9105

Harmonies

Analogous

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



18.9917, 22.9396, 37.6194



21.1752, 22.9396, 41.3419



23.6992, 22.9396, 40.0572

Triad

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



21.1752, 22.9396, 41.3419



26.5761, 22.9396, 20.0613



18.1958, 22.9396, 17.4634

Complementary

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



21.1752, 22.9396, 41.3419



27.5422, 26.7945, 15.7775

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.



20.0115, 22.9396, 14.2550



21.1752, 22.9396, 41.3419



24.8798, 22.9396, 15.5418

Square

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



21.1752, 22.9396, 41.3419



26.9475, 22.9396, 26.8384



22.4439, 22.9396, 13.6261



17.3595, 22.9396, 23.2043

Rectangle

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



21.1752, 22.9396, 41.3419



25.2265, 22.9396, 36.6302



22.4439, 22.9396, 13.6261



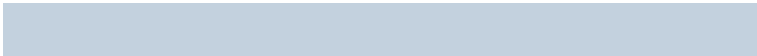
18.7049, 22.9396, 16.1019

Sweetspot

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



21.1760, 22.9405, 41.3424



58.4169, 62.2736, 77.9430



23.9223, 33.1759, 27.6368



12.7968, 13.6584, 17.3495



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.1760, 22.9405, 41.3424



33.9034, 36.6064, 74.2807



17.1818, 14.9521, 40.0110



7.4301, 7.8970, 9.5510



7.7829, 7.0261, 28.9215



0.2406, 0.2734, 0.7207

Inverse Universe

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



25.5085, 19.4104, 25.3248



43.0206, 30.1567, 40.3545



33.0352, 37.7805, 17.6085



7.6817, 7.6025, 8.6409



13.4291, 6.7803, 7.0710



0.3526, 0.1753, 0.3082

Previews

White Background



This preview shows how the XYZ color 21.1752, 22.9396, 41.3419 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 21.1752, 22.9396, 41.3419 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

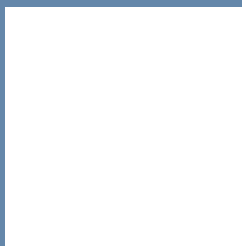
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1752, 22.9396, 41.3419

Background



This preview shows how black text looks on a background with the XYZ color 21.1752, 22.9396, 41.3419.

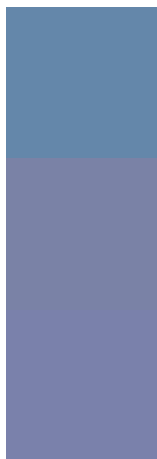


This preview shows how white text looks on a background with the XYZ color 21.1752, 22.9396,

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

21.1752, 22.9396, 41.3419

Protanopia

22.8916, 22.8560, 39.2815

Deuteranopia

23.2270, 22.7784, 41.7005



Tritanopia

19.4570, 23.1001, 32.2874

Trichromacy



Original Color

21.1752, 22.9396, 41.3419

Protanomaly

22.1657, 22.8700, 39.8053

Deuteranomaly

22.4064, 22.7503, 41.7384

Tritanomaly

20.1040, 23.1527, 35.3076

Monochromacy



Original Color

21.1752, 22.9396, 41.3419

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.6216, 22.0978, 29.5640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1752, 22.9396, 41.3419 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(100, 135, 170)` looks like.

```
.text, #text, p{  
    color:rgb(100, 135, 170)  
}
```

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(100, 135, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 135, 170) }
```

Border

The CSS property to change the border of an element to XYZ 21.1752, 22.9396, 41.3419 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(100, 135, 170) }
```


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

```
.border{ border-color:rgb(100, 135, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 135, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 135, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 135, 170);  
box-shadow:4px 4px 4px 4px rgb(100, 135,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1752, 22.9396, 41.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 135, 170) }
```

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

```
.background{ background-color: rgb(100,  
135, 170) }
```

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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