

Converting Colors

XYZ(20.4103, 20.5700, 41.3478)

Have a look what the booklet for
XYZ(20.4103, 20.5700, 41.3478)
contains.

XYZ(20.3932, 20.5506, 41.4199)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.3932, 20.5506,
41.4199)**

Conversions

Conversions Part 1

Format	Color
Hex	687DAB
RGB	104, 125, 171
RGB Percent	41%, 49%, 67%
CMY	0.5921, 0.5098, 0.3294
CMYK	0.39, 0.27, 0.00, 0.33
HSL	221°, 29%, 54%
HSV	221°, 39%, 67%
XYZ	20.3932, 20.5506, 41.4199
YIQ	123.9650, -27.2820, 9.8540

Conversions

Conversions Part 2

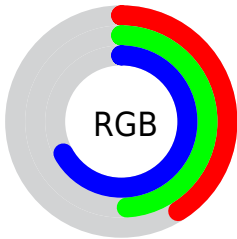
Format	Color
RYB	104, 120, 171
Decimal	6847915
CIELab	52.45, 4.27, -26.89
CIELCh	52, 27.228, 279.024
Yxy	20.5506, 0.2476, 0.2495
Android (android.graphics.Color)	4285037995 (0xFF687DAB)
YUV	123.9650, 23.1883, -17.5093
Hunter-Lab	45.3328, 0.9669, -22.4395

Details

The XYZ color **20.3932, 20.5506, 41.4199** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.2000, 31.4704, 17.5801**, and the grayscale version is **19.0788, 20.0724, 21.8589**.

A 20% lighter version of the original color is **43.4919, 44.1584, 78.9042**, and **7.3824, 7.2577, 18.4645** is the 20% darker color. If you saturate the color by 10%, you get **17.2066, 16.8307, 40.8702**, and if you desaturate by 10%, it is **24.1594, 24.8309, 42.0480**.

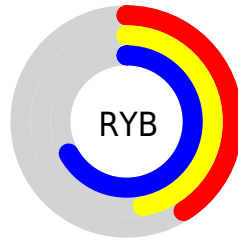
Distribution



Red (41%)

Green (49%)

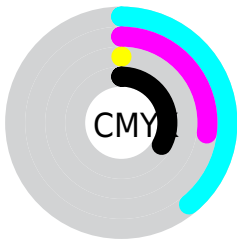
Blue (67%)



Red (41%)

Yellow (47%)

Blue (67%)

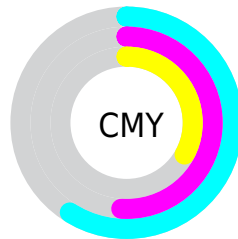


Cyan (39%)

Magenta (27%)

Yellow (0%)

Black (33%)



Cyan (59%)

Magenta (51%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3932, 20.5506, 41.4199 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 20.3932, 20.5506, 41.4199 by changing the saturation by 10% instead.

■ 20.3932, 20.5506,
41.4199

■ 20.3932, 20.5506,
41.4199

246.8291,
254.8804, 367.8010

■ 12.7911, 12.7959,
28.3252

■ 43.5744, 44.3384,
78.5815

■ 7.3609, 7.2882,
18.3297

■ 59.8842, 61.1403,
103.4854

■ 3.7371, 3.6430,
11.0151

■ 79.8272, 81.7267,
133.1628

■ 1.5545, 1.4759,
5.9627

■ 103.7689,
106.4820, 168.0323

■ 0.3625, 0.2717,
2.7540

132.0746,
135.7907, 208.5123

■ 0.0000, 0.0000,
0.9704

165.1096,

■ 0.0000, 0.0000,

170.0370, 255.0214

0.0000

203.2393,
209.6055, 307.9781

■ 20.3932, 20.5506,
41.4199

■ 20.3932, 20.5506,
41.4199

■ 17.2066, 16.8307,
40.8702

■ 24.1594, 24.8309,
42.0480

■ 14.5668, 13.6441,
40.3943

■ 28.5314, 29.6925,
42.7559

■ 12.4411, 10.9647,
39.9891

■ 33.5360, 35.1579,
43.5471

■ 10.7919, 8.7630,
39.6511

■ 39.1981, 41.2477,
44.4241

■ 9.5756, 7.0056,
39.3760

■ 45.5410, 47.9815,
45.3895

■ 8.7138, 5.6402,
39.1579

■ 52.5868, 55.3779,
46.4458

■ 8.6513, 5.5414,
39.1421

■ 60.3567, 63.4550,
47.5953

■ 68.8709, 72.2299,
48.8403

■ 77.0728, 81.1644,
50.1326

Harmonies

Analogous

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



17.6603, 20.5506, 40.1744



20.3932, 20.5506, 41.4199



23.1391, 20.5506, 36.6920

Triad

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



20.3932, 20.5506, 41.4199



24.0419, 20.5506, 13.9731



14.9063, 20.5506, 17.2777

Complementary

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



20.3932, 20.5506, 41.4199



30.2000, 31.4704, 17.5801

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.



16.3220, 20.5506, 12.3726



20.3932, 20.5506, 41.4199



21.5331, 20.5506, 10.8073

Square

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



20.3932, 20.5506, 41.4199



25.3746, 20.5506, 20.0339



18.6968, 20.5506, 10.3017



14.6643, 20.5506, 24.8941

Rectangle

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



20.3932, 20.5506, 41.4199



24.5453, 20.5506, 31.3303



18.6968, 20.5506, 10.3017



15.2537, 20.5506, 15.3146

Sweetspot

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



20.3939, 20.5514, 41.4204



57.2207, 59.8811, 77.5442



25.7599, 34.2644, 34.0193



12.5057, 13.0761, 17.2525



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.



20.3939, 20.5514, 41.4204



31.5274, 30.9848, 73.3209



19.5418, 16.5740, 40.6976



7.7761, 8.1516, 10.1163



6.5642, 4.2622, 29.5212



0.2322, 0.2178, 0.8378

Inverse Universe

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



25.4471, 20.0399, 21.9298



42.0336, 30.5747, 32.6514



31.3040, 37.4677, 18.6795



8.1048, 8.0552, 8.8627



13.1769, 6.7333, 3.3111



0.3916, 0.1973, 0.2240

Previews

White Background



This preview shows how the XYZ color 20.3932, 20.5506, 41.4199 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 20.3932, 20.5506, 41.4199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

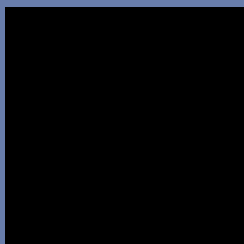
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

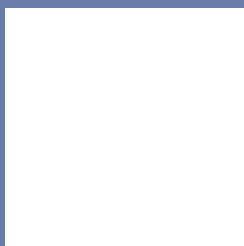
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3932, 20.5506, 41.4199

Background



This preview shows how black text looks on a background with the XYZ color 20.3932, 20.5506, 41.4199.



This preview shows how white text looks on a background with the XYZ color 20.3932, 20.5506,

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

20.3932, 20.5506, 41.4199

Protanopia

20.8942, 20.4477, 40.8758

Deuteranopia

20.8641, 20.4212, 41.3701



Tritanopia

17.7479, 20.6425, 28.2483

Trichromacy



Original Color

20.3932, 20.5506, 41.4199

Protanomaly

20.6477, 20.5057, 40.9000

Deuteranomaly

20.7427, 20.5437, 41.4002

Tritanomaly

18.6633, 20.6202, 32.7022

Monochromacy



Original Color

20.3932, 20.5506, 41.4199

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.3515, 20.1203, 28.0630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3932, 20.5506, 41.4199 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(104, 125, 171)` looks like.

```
.text, #text, p{  
    color:rgb(104, 125, 171)  
}
```

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(104, 125, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 125, 171) }
```

Border

The CSS property to change the border of an element to XYZ 20.3932, 20.5506, 41.4199 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(104, 125, 171) }
```


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

```
.border{ border-color:rgb(104, 125, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 125, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 125, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 125, 171);  
box-shadow:4px 4px 4px 4px rgb(104, 125,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3932, 20.5506, 41.4199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 125, 171) }
```

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

```
.background{ background-color: rgb(104,  
125, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor