

Converting Colors

XYZ(20.3112, 21.0695, 42.0260)

Have a look what the booklet for
XYZ(20.3112, 21.0695, 42.0260)
contains.

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Color

**XYZ(20.3112, 21.0695,
42.0260)**

Conversions

Conversions Part 1

Format	Color
Hex	6380AC
RGB	99, 128, 172
RGB Percent	39%, 50%, 67%
CMY	0.6117, 0.4980, 0.3255
CMYK	0.42, 0.26, 0.00, 0.33
HSL	216°, 31%, 53%
HSV	216°, 42%, 67%
XYZ	20.3112, 21.0695, 42.0260
YIQ	124.3450, -31.4080, 7.5360

Conversions

Conversions Part 2

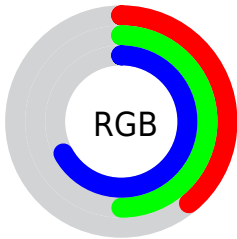
Format	Color
R _Y B	99, 120, 172
Decimal	6521004
CIE Lab	53.03, 1.41, -26.61
CIE LCh	53, 26.646, 273.025
Yxy	21.0695, 0.2435, 0.2526
Android (android.graphics.Color)	4284711084 (0xFF6380AC)
YUV	124.3450, 23.4939, -22.2276
Hunter-Lab	45.9015, -1.3423, -22.1530

Details

The XYZ color **20.3112, 21.0695, 42.0260** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.0887, 29.3175, 15.9311**, and the grayscale version is **19.2054, 20.2056, 22.0039**.

A 20% lighter version of the original color is **43.6643, 45.4215, 79.8647**, and **7.3584, 7.5524, 18.8392** is the 20% darker color. If you saturate the color by 10%, you get **17.3446, 17.6346, 41.5197**, and if you desaturate by 10%, it is **23.8176, 24.9887, 42.5981**.

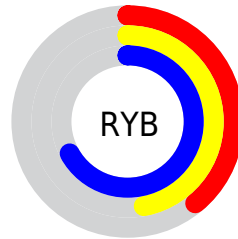
Distribution



Red (39%)

Green (50%)

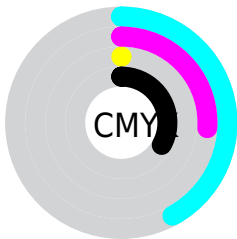
Blue (67%)



Red (39%)

Yellow (47%)

Blue (67%)

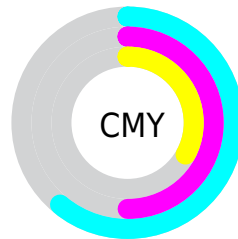


Cyan (42%)

Magenta (26%)

Yellow (0%)

Black (33%)



Cyan (61%)

Magenta (50%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3112, 21.0695, 42.0260 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 20.3112, 21.0695, 42.0260 by changing the saturation by 10% instead.

■ 20.3112, 21.0695,
42.0260

■ 20.3112, 21.0695,
42.0260

246.3965,
257.6476, 370.3935

■ 12.7310, 13.1748,
28.7959

■ 43.4383, 45.2032,
79.5095

■ 7.3193, 7.5490,
18.6822

■ 59.7159, 62.2109,
104.6000

■ 3.7107, 3.8078,
11.2664

■ 79.6234, 83.0252,
134.4810

■ 1.5398, 1.5666,
6.1299

■ 103.5262,
108.0304, 169.5712

■ 0.3527, 0.3349,
2.8542

131.7895,
137.6108, 210.2890

■ 0.0000, 0.0000,
1.0207

164.7787,

■ 0.0000, 0.0000,

172.1509, 257.0529

0.0000

202.8593,
212.0350, 310.2816

■ 20.3112, 21.0695,
42.0260

■ 20.3112, 21.0695,
42.0260

■ 17.3446, 17.6346,
41.5197

■ 23.8176, 24.9887,
42.5981

■ 14.8859, 14.6601,
41.0752

■ 27.8891, 29.4097,
43.2368

■ 12.9029, 12.1234,
40.6901

■ 32.5517, 34.3522,
43.9451

■ 11.3583, 9.9986,
40.3614

■ 37.8291, 39.8336,
44.7249

■ 10.2083, 8.2558,
40.0856

■ 43.7439, 45.8709,
45.5785

■ 9.5334, 7.1525,
39.9082

■ 50.3171, 52.4800,
46.5077

■ 57.5691, 59.6762,
47.5145

■ 65.5193, 67.4743,
48.6007

■ 74.1860, 75.8885,
49.7680

Harmonies

Analogous

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



17.6831, 21.0695, 39.5965



20.3112, 21.0695, 42.0260



23.1038, 21.0695, 38.4380

Triad

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



20.3112, 21.0695, 42.0260



24.8844, 21.0695, 15.5260



15.6033, 21.0695, 16.6372

Complementary

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



20.3112, 21.0695, 42.0260



29.0887, 29.3175, 15.9311

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.



17.2343, 21.0695, 12.2949



20.3112, 21.0695, 42.0260



22.5670, 21.0695, 11.7662

Square

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



20.3112, 21.0695, 42.0260



25.8938, 21.0695, 22.1375



19.7433, 21.0695, 10.7373



15.1191, 21.0695, 23.7639

Rectangle

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



20.3112, 21.0695, 42.0260



24.6393, 21.0695, 33.5135



19.7433, 21.0695, 10.7373



16.0277, 21.0695, 14.8649

Sweetspot

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



20.3119, 21.0703, 42.0265



58.3419, 61.5728, 79.6156



24.8416, 34.1354, 31.1876



12.2680, 12.9483, 17.2404



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.



20.3119, 21.0703, 42.0265



31.7249, 32.2980, 75.3678



17.8887, 14.9859, 40.9798



7.8302, 8.2598, 10.1343



7.1450, 5.4238, 29.7148



0.2531, 0.2596, 0.8447

Inverse Universe

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



25.3720, 19.2538, 22.8018



42.3874, 29.4343, 34.6423



32.4599, 38.3736, 17.5014



8.1321, 8.0661, 9.0064



13.4701, 6.8506, 4.8549



0.4022, 0.2015, 0.2795

Previews

White Background



This preview shows how the XYZ color 20.3112, 21.0695, 42.0260 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 20.3112, 21.0695, 42.0260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

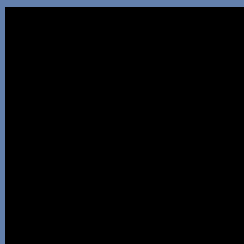
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

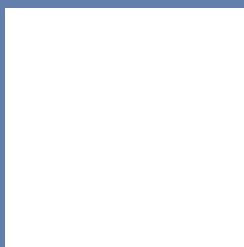
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3112, 21.0695, 42.0260

Background



This preview shows how black text looks on a background with the XYZ color 20.3112, 21.0695, 42.0260.

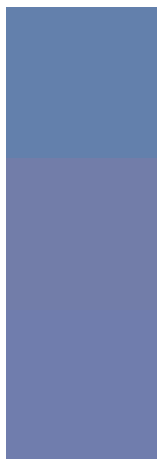


This preview shows how white text looks on a background with the XYZ color 20.3112, 21.0695,

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

20.3112, 21.0695, 42.0260

Protanopia

21.4345, 21.1092, 40.4809

Deuteranopia

21.5585, 21.1291, 42.4772



Tritanopia

17.7360, 21.0128, 29.5067

Trichromacy



Original Color

20.3112, 21.0695, 42.0260

Protanomaly

21.0232, 21.0752, 40.9901

Deuteranomaly

21.0671, 21.0646, 42.4907

Tritanomaly

18.5651, 20.9454, 33.6362

Monochromacy



Original Color

20.3112, 21.0695, 42.0260

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.2116, 20.2352, 28.0925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3112, 21.0695, 42.0260 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(99, 128, 172)` looks like.

```
.text, #text, p{  
    color:rgb(99, 128, 172)  
}
```

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(99, 128, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 128, 172) }
```

Border

The CSS property to change the border of an element to XYZ 20.3112, 21.0695, 42.0260 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(99, 128, 172) }
```


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

```
.border{ border-color:rgb(99, 128, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 128, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 128, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 128, 172);  
box-shadow:4px 4px 4px 4px rgb(99, 128,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3112, 21.0695, 42.0260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 128, 172) }
```

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

```
.background{ background-color: rgb(99, 128,  
172) }
```

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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