

Converting Colors

XYZ(21.3057, 21.0462, 44.1854)

Have a look what the booklet for
XYZ(21.3057, 21.0462, 44.1854)
contains.

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Color

**XYZ(21.2335, 20.9276,
43.9946)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7DB0
RGB	107, 125, 176
RGB Percent	42%, 49%, 69%
CMY	0.5804, 0.5098, 0.3098
CMYK	0.39, 0.29, 0.00, 0.31
HSL	224°, 30%, 55%
HSV	224°, 39%, 69%
XYZ	21.2335, 20.9276, 43.9946
YIQ	125.4320, -27.0990, 12.0450

Conversions

Conversions Part 2

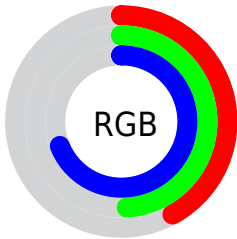
Format	Color
R _Y B	107, 121, 176
Decimal	7044528
CIE Lab	52.87, 6.53, -29.12
CIE LCh	53, 29.840, 282.647
Yxy	20.9276, 0.2465, 0.2429
Android (android.graphics.Color)	4285234608 (0xFF6B7DB0)
YUV	125.4320, 24.9300, -16.1649
Hunter-Lab	45.7467, 2.7947, -24.9965

Details

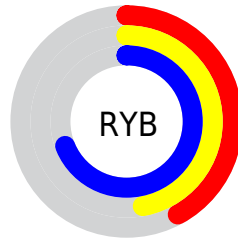
The XYZ color **21.2335, 20.9276, 43.9946** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.7858, 34.7461, 18.8895**, and the grayscale version is **19.5643, 20.5831, 22.4150**.

A 20% lighter version of the original color is **44.9856, 44.8475, 82.6294**, and **7.7351, 7.4112, 19.7617** is the 20% darker color. If you saturate the color by 10%, you get **17.7886, 16.8653, 43.3925**, and if you desaturate by 10%, it is **25.3262, 25.6449, 44.6898**.

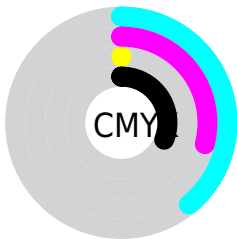
Distribution



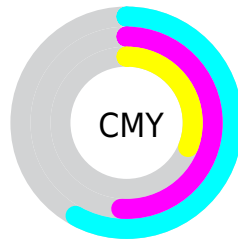
- Red (42%)
- Green (49%)
- Blue (69%)



- Red (42%)
- Yellow (47%)
- Blue (69%)



- Cyan (39%)
- Magenta (29%)
- Yellow (0%)
- Black (31%)



- Cyan (58%)
- Magenta (51%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2335, 20.9276, 43.9946 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 21.2335, 20.9276, 43.9946 by changing the saturation by 10% instead.

■ 21.2335, 20.9276,
43.9946

■ 21.2335, 20.9276,
43.9946

251.2251,
256.8935, 378.7270

■ 13.4082, 13.0711,
30.3291

■ 44.9642, 44.9670,
82.5120

■ 7.7892, 7.4775,
19.8344

■ 61.6003, 61.9187,
108.2010

■ 4.0110, 3.7625,
12.0918

■ 81.9040, 82.6709,
138.7349

■ 1.7084, 1.5416,
6.6829

■ 106.2408,
107.6080, 174.5322

■ 0.4615, 0.3177,
3.1892

134.9760,
137.1144, 216.0116

■ 0.0000, 0.0000,
1.1920

168.4748,

■ 0.0000, 0.0000,

171.5746, 263.5915

0.0000

207.1028,
211.3728, 317.6904

■ 21.2335, 20.9276,
43.9946

■ 21.2335, 20.9276,
43.9946

■ 17.7886, 16.8653,
43.3925

■ 25.3262, 25.6449,
44.6898

■ 14.9547, 13.4255,
42.8779

■ 30.0966, 31.0430,
45.4803

■ 12.6946, 10.5762,
42.4470

■ 35.5751, 37.1492,
46.3702

■ 10.9657, 8.2813,
42.0952

■ 41.7896, 43.9883,
47.3627

■ 9.7188, 6.5004,
41.8171

■ 48.7667, 51.5842,
48.4612

■ 8.8686, 5.1726,
41.6057

■ 56.5313, 59.9596,
49.6685

■ 8.8101, 5.0817,
41.5912

■ 65.1074, 69.1360,
50.9877

■ 74.5179, 79.1343,
52.4216

■ 80.8531, 87.9476,
53.7889

Harmonies

Analogous

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



18.1551, 20.9276, 43.4310



21.2335, 20.9276, 43.9946



24.2379, 20.9276, 37.9018

Triad

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



21.2335, 20.9276, 43.9946



24.6373, 20.9276, 13.0172



14.6975, 20.9276, 18.0374

Complementary

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



21.2335, 20.9276, 43.9946



32.7858, 34.7461, 18.8895

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.



16.0977, 20.9276, 12.3426



21.2335, 20.9276, 43.9946



21.7343, 20.9276, 10.0082

Square

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



21.2335, 20.9276, 43.9946



26.3367, 20.9276, 19.2285



18.6064, 20.9276, 9.7988



14.5935, 20.9276, 26.7586

Rectangle

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



21.2335, 20.9276, 43.9946



25.7086, 20.9276, 31.6261



18.6064, 20.9276, 9.7988



15.0249, 20.9276, 15.7698

Sweetspot

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



21.2342, 20.9284, 43.9951



61.3949, 63.9078, 83.5949



27.7266, 36.6319, 37.7775



13.0293, 13.5428, 18.0716



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.2342, 20.9284, 43.9951



33.0574, 31.5364, 78.8401



21.2776, 17.8692, 43.4023



8.2163, 8.5787, 10.7291



6.5056, 3.8116, 30.5298



0.2531, 0.2168, 0.9767

Inverse Universe

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



26.8645, 21.2270, 22.0841



44.8744, 32.7647, 32.7175



32.6570, 39.5760, 19.8285



8.5843, 8.5405, 9.3096



13.5184, 6.9249, 2.6238



0.4498, 0.2277, 0.2113

Previews

White Background



This preview shows how the XYZ color 21.2335, 20.9276, 43.9946 looks on a white background.

Color Contrast Check

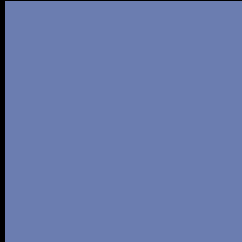
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2335, 20.9276, 43.9946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

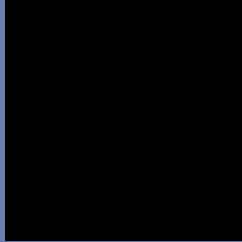
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

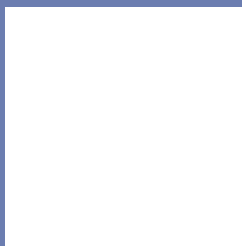
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2335, 20.9276, 43.9946

Background



This preview shows how black text looks on a background with the XYZ color 21.2335, 20.9276, 43.9946.



This preview shows how white text looks on a background with the XYZ color 21.2335, 20.9276,

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

21.2335, 20.9276, 43.9946

Protanopia

21.3759, 20.8254, 43.4505

Deuteranopia

21.4768, 21.0530, 44.0060



Tritanopia

18.1444, 20.8382, 28.6571

Trichromacy



Original Color

21.2335, 20.9276, 43.9946

Protanomaly

21.2522, 20.7617, 43.4447

Deuteranomaly

21.3544, 20.9900, 44.0003

Tritanomaly

19.1625, 20.8584, 33.5880

Monochromacy



Original Color

21.2335, 20.9276, 43.9946

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8389, 20.5324, 29.3031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2335, 20.9276, 43.9946 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(107, 125, 176)` looks like.

```
.text, #text, p{  
    color:rgb(107, 125, 176)  
}
```

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(107, 125, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 125, 176) }
```

Border

The CSS property to change the border of an element to XYZ 21.2335, 20.9276, 43.9946 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(107, 125, 176) }
```


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

```
.border{ border-color:rgb(107, 125, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 125, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 125, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 125, 176);  
box-shadow:4px 4px 4px 4px rgb(107, 125,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2335, 20.9276, 43.9946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 125, 176) }
```

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

```
.background{ background-color: rgb(107,  
125, 176) }
```

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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