

Converting Colors

XYZ(20.6847, 21.4122, 45.1626)

Have a look what the booklet for
XYZ(20.6847, 21.4122, 45.1626)
contains.

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Color

**XYZ(20.7100, 21.4017,
45.1589)**

Conversions

Conversions Part 1

Format	Color
Hex	6081B2
RGB	96, 129, 178
RGB Percent	38%, 51%, 70%
CMY	0.6235, 0.4941, 0.3020
CMYK	0.46, 0.28, 0.00, 0.30
HSL	216°, 35%, 54%
HSV	216°, 46%, 70%
XYZ	20.7100, 21.4017, 45.1589
YIQ	124.7190, -35.3970, 8.2430

Conversions

Conversions Part 2

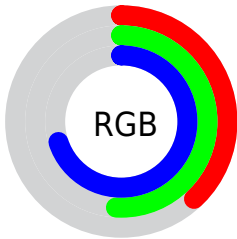
Format	Color
R _Y B	96, 120, 178
Decimal	6324658
CIE Lab	53.39, 1.79, -29.52
CIE LCh	53, 29.573, 273.479
Yxy	21.4017, 0.2373, 0.2452
Android (android.graphics.Color)	4284514738 (0xFF6081B2)
YUV	124.7190, 26.2675, -25.1866
Hunter-Lab	46.2620, -1.0497, -25.4929

Details

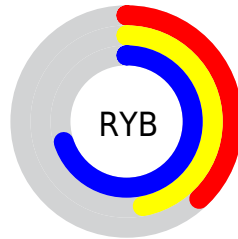
The XYZ color **20.7100, 21.4017, 45.1589** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.5974, 30.5610, 15.3533**, and the grayscale version is **19.3224, 20.3286, 22.1379**.

A 20% lighter version of the original color is **44.1569, 45.8804, 84.3704**, and **7.5252, 7.7102, 20.4936** is the 20% darker color. If you saturate the color by 10%, you get **17.7161, 17.8859, 44.6385**, and if you desaturate by 10%, it is **24.2753, 25.4294, 45.7488**.

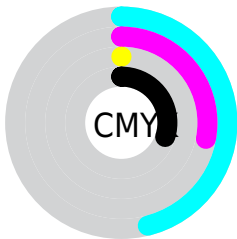
Distribution



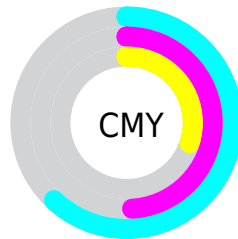
- Red (38%)
- Green (51%)
- Blue (70%)



- Red (38%)
- Yellow (47%)
- Blue (70%)



- Cyan (46%)
- Magenta (28%)
- Yellow (0%)
- Black (30%)



- Cyan (62%)
- Magenta (49%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7100, 21.4017, 45.1589 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 20.7100, 21.4017, 45.1589 by changing the saturation by 10% instead.

■ 20.7100, 21.4017,
45.1589

■ 20.7100, 21.4017,
45.1589

248.4942,
259.4057, 383.5956

■ 13.0234, 13.4179,
31.2387

■ 44.0993, 45.7551,
84.2798

■ 7.5218, 7.7170,
20.5207

■ 60.5328, 62.8936,
110.3176

■ 3.8397, 3.9144,
12.5863

■ 80.6126, 83.8524,
141.2317

■ 1.6119, 1.6258,
7.0169

■ 104.7041,
109.0160, 177.4406

■ 0.4001, 0.3749,
3.3941

133.1727,
138.7687, 219.3630

■ 0.0000, 0.0000,
1.2992

166.3836,

■ 0.0000, 0.0000,

173.4949, 267.4172

0.0611

204.7024,
213.5791, 322.0219

■ 0.0000, 0.0000,
0.0000

■ 20.7100, 21.4017,
45.1589

■ 20.7100, 21.4017,
45.1589

■ 17.7161, 17.8859,
44.6385

■ 24.2753, 25.4294,
45.7488

■ 15.2579, 14.8557,
44.1832

■ 28.4402, 29.9888,
46.4093

■ 13.2989, 12.2859,
43.7904

■ 33.2337, 35.1010,
47.1435

■ 11.7963, 10.1472,
43.4568

■ 38.6822, 40.7857,
47.9535

■ 10.6956, 8.4036,
43.1782

■ 44.8104, 47.0610,
48.8418

■ 10.3298, 7.8020,
43.0814

■ 51.6418, 53.9447,
49.8104

■ 59.1987, 61.4533,
50.8615

■ 67.5023, 69.6029,
51.9968

■ 76.1288, 78.1800,
53.1977

Harmonies

Analogous

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



17.7644, 21.4017, 42.4382



20.7100, 21.4017, 45.1589



23.8552, 21.4017, 40.8936

Triad

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



20.7100, 21.4017, 45.1589



25.8013, 21.4017, 15.0107



15.4061, 21.4017, 16.4065

Complementary

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



20.7100, 21.4017, 45.1589



30.5974, 30.5610, 15.3533

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.



17.1913, 21.4017, 11.6562



20.7100, 21.4017, 45.1589



23.1569, 21.4017, 11.0079

Square

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



20.7100, 21.4017, 45.1589



26.9788, 21.4017, 22.2699



19.9777, 21.4017, 9.9593



14.8935, 21.4017, 24.3672

Rectangle

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



20.7100, 21.4017, 45.1589



25.5865, 21.4017, 35.1747



19.9777, 21.4017, 9.9593



15.8675, 21.4017, 14.4570

Sweetspot

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



20.7107, 21.4025, 45.1594



61.9785, 65.4544, 85.7485



25.7662, 36.3367, 31.9752



13.2874, 14.0341, 18.9308



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.7107, 21.4025, 45.1594



32.1831, 32.5022, 80.9585



17.7939, 14.4546, 43.9721



8.3133, 8.7729, 10.7615



7.4493, 5.6989, 30.8444



0.2923, 0.2951, 0.9898

Inverse Universe

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



26.5061, 19.4165, 23.1204



44.2704, 29.5431, 34.7261



34.8632, 41.3625, 17.2134



8.6333, 8.5601, 9.5677



13.9947, 7.1154, 5.1321



0.4696, 0.2356, 0.3154

Previews

White Background



This preview shows how the XYZ color 20.7100, 21.4017, 45.1589 looks on a white background.

Color Contrast Check

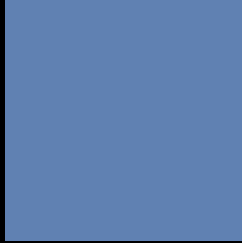
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7100, 21.4017, 45.1589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

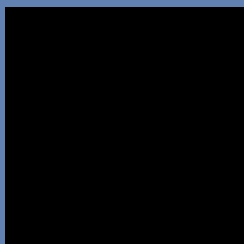
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

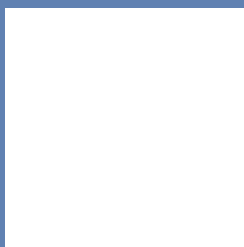
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7100, 21.4017, 45.1589

Background



This preview shows how black text looks on a background with the XYZ color 20.7100, 21.4017, 45.1589.



This preview shows how white text looks on a background with the XYZ color 20.7100, 21.4017,

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

20.7100, 21.4017, 45.1589

Protanopia

21.7536, 21.2071, 43.5043

Deuteranopia

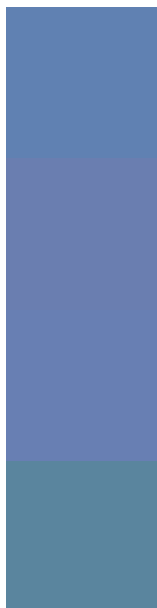
21.9042, 21.4276, 45.6293



Tritanopia

17.7828, 21.4295, 30.3932

Trichromacy



Original Color

20.7100, 21.4017, 45.1589

Protanomaly

21.2412, 21.1205, 44.0314

Deuteranomaly

21.4350, 21.3765, 45.6442

Tritanomaly

18.7755, 21.4173, 35.4921

Monochromacy



Original Color

20.7100, 21.4017, 45.1589

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.4343, 20.5127, 29.3206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7100, 21.4017, 45.1589 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(96, 129, 178)` looks like.

```
.text, #text, p{  
    color:rgb(96, 129, 178)  
}
```

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(96, 129, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 129, 178) }
```

Border

The CSS property to change the border of an element to XYZ 20.7100, 21.4017, 45.1589 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(96, 129, 178) }
```


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

```
.border{ border-color:rgb(96, 129, 178) }
```

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

Here you see how a box with a 4 pixel rgb(96, 129, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 129, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 129, 178);  
box-shadow:4px 4px 4px 4px rgb(96, 129,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7100, 21.4017, 45.1589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 129, 178) }
```

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

```
.background{ background-color: rgb(96, 129,  
178) }
```

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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