

Converting Colors

XYZ(20.2061, 21.8511, 35.0515)

Have a look what the booklet for
XYZ(20.2061, 21.8511, 35.0515)
contains.

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Color

**XYZ(20.1460, 21.7311,
35.0310)**

Conversions

Conversions Part 1

Format	Color
Hex	6A839D
RGB	106, 131, 157
RGB Percent	42%, 51%, 62%
CMY	0.5843, 0.4863, 0.3843
CMYK	0.32, 0.17, 0.00, 0.38
HSL	211°, 21%, 52%
HSV	211°, 32%, 62%
XYZ	20.1460, 21.7311, 35.0310
YIQ	126.4890, -23.2460, 2.7860

Conversions

Conversions Part 2

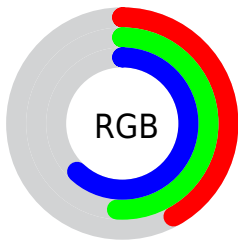
Format	Color
R_{YB}	106, 123, 157
Decimal	6980509
CIE _{Lab}	53.74, -2.49, -16.80
CIE _{LCh}	54, 16.985, 261.575
Yxy	21.7311, 0.2619, 0.2826
Android (android.graphics.Color)	4285170589 (0xFF6A839D)
YUV	126.4890, 15.0419, -17.9689
Hunter-Lab	46.6166, -4.4379, -11.9230

Details

The XYZ color **20.1460, 21.7311, 35.0310** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.7579, 24.7117, 17.1014**, and the grayscale version is **19.9543, 20.9935, 22.8619**.

A 20% lighter version of the original color is **43.3222, 46.4054, 68.9612**, and **7.2497, 7.9159, 14.7815** is the 20% darker color. If you saturate the color by 10%, you get **17.4146, 18.7888, 34.6074**, and if you desaturate by 10%, it is **23.3034, 25.0173, 35.4993**.

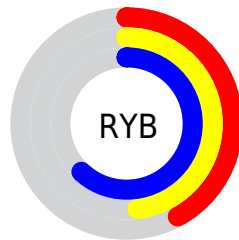
Distribution



Red (42%)

Green (51%)

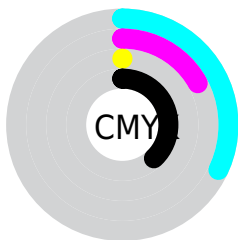
Blue (62%)



Red (42%)

Yellow (48%)

Blue (62%)

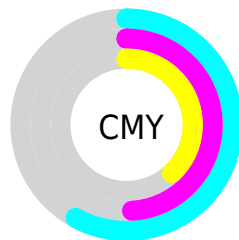


Cyan (32%)

Magenta (17%)

Yellow (0%)

Black (38%)



Cyan (58%)

Magenta (49%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1460, 21.7311, 35.0310 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 20.1460, 21.7311, 35.0310 by changing the saturation by 10% instead.

■ 20.1460, 21.7311,
35.0310

■ 20.1460, 21.7311,
35.0310

245.5229,
261.1388, 339.6136

■ 12.6101, 13.6594,
23.4030

■ 43.1639, 46.3012,
68.6859

■ 7.2358, 7.8842,
14.6833

■ 59.3766, 63.5684,
91.5499

■ 3.6576, 4.0209,
8.4533

■ 79.2123, 84.6695,
118.9963

■ 1.5103, 1.6853,
4.2944

■ 103.0363,
109.9891, 151.4437

■ 0.3328, 0.4141,
1.7882

131.2141,
139.9114, 189.3106

■ 0.0000, 0.0000,
0.4202

164.1108,

■ 0.0000, 0.0000,

174.8208, 233.0155

0.0000

202.0920,
215.1018, 282.9770

■ 20.1460, 21.7311,
35.0310

■ 20.1460, 21.7311,
35.0310

■ 17.4146, 18.7888,
34.6074

■ 23.3034, 25.0173,
35.4993

■ 15.0867, 16.1746,
34.2255

■ 26.9038, 28.6574,
36.0121

■ 13.1405, 13.8747,
33.8842

■ 30.9658, 32.6639,
36.5714

■ 11.5513, 11.8736,
33.5817

■ 35.5061, 37.0482,
37.1783

■ 10.2910, 10.1537,
33.3161

■ 40.5407, 41.8208,
37.8342

■ 9.3265, 8.6946,
33.0853

■ 46.0847, 46.9919,
38.5401

■ 8.7372, 7.7370,
32.9315

■ 52.1526, 52.5714,
39.2972

■ 58.7583, 58.5686,
40.1066

■ 65.9152, 64.9927,
40.9694

Harmonies

Analogous

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



18.5543, 21.7311, 32.4183



20.1460, 21.7311, 35.0310



21.9691, 21.7311, 34.2647

Triad

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



20.1460, 21.7311, 35.0310



24.0847, 21.7311, 20.1625



18.0315, 21.7311, 17.9607

Complementary

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



20.1460, 21.7311, 35.0310



24.7579, 24.7117, 17.1014

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.



19.3939, 21.7311, 15.5081



20.1460, 21.7311, 35.0310



22.9080, 21.7311, 16.6433

Square

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



20.1460, 21.7311, 35.0310



24.3154, 21.7311, 25.1613



21.1720, 21.7311, 15.0640



17.3813, 21.7311, 22.2225

Rectangle

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



20.1460, 21.7311, 35.0310



23.0663, 21.7311, 31.9833



21.1720, 21.7311, 15.0640



18.4174, 21.7311, 16.9250

Sweetspot

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



20.1467, 21.7320, 35.0315



49.7735, 52.9065, 64.7154



22.1321, 28.8309, 26.0499



10.7524, 11.4430, 14.2124



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.1467, 21.7320, 35.0315



32.4507, 35.0289, 62.1777



17.1844, 15.8073, 34.0441



6.5397, 6.9452, 8.4026



7.1331, 6.3577, 26.7584



0.1698, 0.1982, 0.4925

Inverse Universe

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



23.1560, 19.1156, 23.9428



38.8152, 30.0234, 38.6072



28.5636, 32.3231, 18.3699



6.7618, 6.6976, 7.5966



12.3987, 6.2640, 6.3503



0.2430, 0.1205, 0.2258

Previews

White Background



This preview shows how the XYZ color 20.1460, 21.7311, 35.0310 looks on a white background.

Color Contrast Check

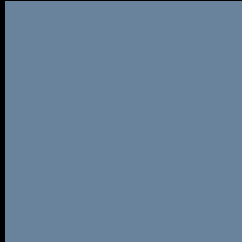
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1460, 21.7311, 35.0310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

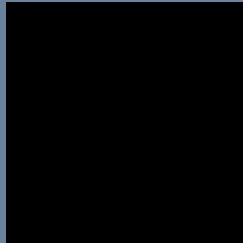
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

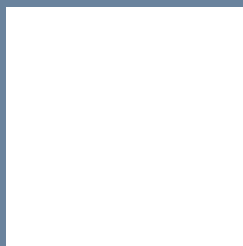
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1460, 21.7311, 35.0310

Background



This preview shows how black text looks on a background with the XYZ color 20.1460, 21.7311, 35.0310.



This preview shows how white text looks on a background with the XYZ color 20.1460, 21.7311,

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

20.1460, 21.7311, 35.0310

Protanopia

21.4481, 21.6494, 33.6202

Deuteranopia

21.9626, 21.4958, 35.3393



Tritanopia

19.0151, 21.6722, 29.5665

Trichromacy



Original Color

20.1460, 21.7311, 35.0310

Protanomaly

20.8380, 21.5179, 34.0654

Deuteranomaly

21.2321, 21.4989, 35.3784

Tritanomaly

19.3850, 21.6155, 31.5843

Monochromacy



Original Color

20.1460, 21.7311, 35.0310

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.8423, 21.1664, 26.7066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1460, 21.7311, 35.0310 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(106, 131, 157)` looks like.

```
.text, #text, p{  
    color:rgb(106, 131, 157)  
}
```

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(106, 131, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 131, 157) }
```

Border

The CSS property to change the border of an element to XYZ 20.1460, 21.7311, 35.0310 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(106, 131, 157) }
```


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

```
.border{ border-color:rgb(106, 131, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 131, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 131, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 131, 157);  
box-shadow:4px 4px 4px 4px rgb(106, 131,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1460, 21.7311, 35.0310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 131, 157) }
```

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

```
.background{ background-color: rgb(106,  
131, 157) }
```

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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