

Converting Colors

XYZ(21.1101, 23.1989, 36.5705)

Have a look what the booklet for
XYZ(21.1101, 23.1989, 36.5705)
contains.

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Color

**XYZ(21.0932, 23.2106,
36.6261)**

Conversions

Conversions Part 1

Format	Color
Hex	6A88A0
RGB	106, 136, 160
RGB Percent	42%, 53%, 63%
CMY	0.5843, 0.4667, 0.3725
CMYK	0.34, 0.15, 0.00, 0.37
HSL	207°, 22%, 52%
HSV	207°, 34%, 63%
XYZ	21.0932, 23.2106, 36.6261
YIQ	129.7660, -25.5840, 1.1040

Conversions

Conversions Part 2

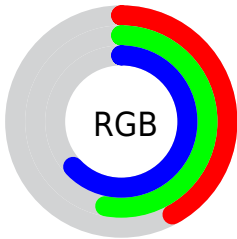
Format	Color
R_{YB}	106, 125, 160
Decimal	6981792
CIE _{Lab}	55.29, -4.56, -16.18
CIE _{LCh}	55, 16.813, 254.261
Yxy	23.2106, 0.2606, 0.2868
Android (android.graphics.Color)	4285171872 (0xFF6A88A0)
YUV	129.7660, 14.9054, -20.8428
Hunter-Lab	48.1774, -6.1589, -11.3501

Details

The XYZ color **21.0932, 23.2106, 36.6261** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.0817, 24.4797, 17.0394**, and the grayscale version is **21.0916, 22.1900, 24.1649**.

A 20% lighter version of the original color is **44.7614, 48.6724, 71.3255**, and **7.6654, 8.5790, 15.4393** is the 20% darker color. If you saturate the color by 10%, you get **18.3979, 20.3839, 36.2230**, and if you desaturate by 10%, it is **24.2111, 26.3549, 37.0691**.

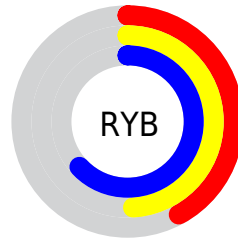
Distribution



Red (42%)

Green (53%)

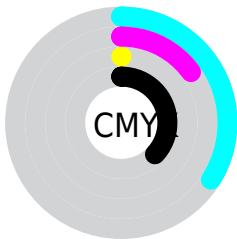
Blue (63%)



Red (42%)

Yellow (49%)

Blue (63%)

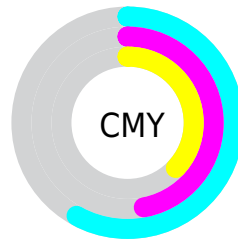


Cyan (34%)

Magenta (15%)

Yellow (0%)

Black (37%)



Cyan (58%)

Magenta (47%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0932, 23.2106, 36.6261 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 21.0932, 23.2106, 36.6261 by changing the saturation by 10% instead.

■ 21.0932, 23.2106,
36.6261

■ 21.0932, 23.2106,
36.6261

250.4957,
268.8048, 346.8087

■ 13.3050, 14.7491,
24.6246

■ 44.7327, 48.7389,
71.1772

■ 7.7173, 8.6435,
15.5811

■ 61.3147, 66.5745,
94.5640

■ 3.9649, 4.5094,
9.0771

■ 81.5587, 88.3035,
122.5829

■ 1.6823, 1.9624,
4.6940

■ 105.8300,
114.3105, 155.6525

■ 0.4451, 0.5855,
2.0133

134.4940,
144.9797, 194.1913

■ 0.0000, 0.0000,
0.5634

167.9161,

■ 0.0000, 0.0000,

180.6955, 238.6179

0.0000

206.4615,
221.8425, 289.3509

■ 21.0932, 23.2106,
36.6261

■ 21.0932, 23.2106,
36.6261

■ 18.3979, 20.3839,
36.2230

■ 24.2111, 26.3549,
37.0691

■ 16.1021, 17.8594,
35.8567

■ 27.7691, 29.8260,
37.5515

■ 14.1835, 15.6241,
35.5263

■ 31.7859, 33.6359,
38.0752

■ 12.6164, 13.6628,
35.2304

■ 36.2788, 37.7953,
38.6413

■ 11.3716, 11.9584,
34.9670

■ 41.2639, 42.3141,
39.2507

■ 10.4145, 10.4908,
34.7342

■ 46.7567, 47.2021,
39.9047

■ 9.9087, 9.6651,
34.6014

■ 52.7718, 52.4685,
40.6042

■ 59.3234, 58.1220,
41.3501

■ 66.4250, 64.1712,
42.1434

Harmonies

Analogous

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



19.5679, 23.2106, 33.2233



21.0932, 23.2106, 36.6261



22.9651, 23.2106, 36.7149

Triad

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



21.0932, 23.2106, 36.6261



25.7599, 23.2106, 22.8029



19.6290, 23.2106, 18.5490

Complementary

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



21.0932, 23.2106, 36.6261



25.0817, 24.4797, 17.0394

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.



21.1809, 23.2106, 16.4949



21.0932, 23.2106, 36.6261



24.7573, 23.2106, 18.7034

Square

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



21.0932, 23.2106, 36.6261



25.7331, 23.2106, 28.1913



23.0579, 23.2106, 16.5471



18.7559, 23.2106, 22.5623

Rectangle

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



21.0932, 23.2106, 36.6261



24.1630, 23.2106, 34.8491



23.0579, 23.2106, 16.5471



20.0846, 23.2106, 17.6336

Sweetspot

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



21.0939, 23.2115, 36.6266



52.9165, 56.5432, 68.5115



22.5043, 29.8019, 25.4754



11.4002, 12.2050, 14.9986



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.0939, 23.2115, 36.6266



34.7847, 38.4809, 65.9807



17.8225, 16.6686, 35.5362



6.5749, 7.0156, 8.4143



7.7631, 7.6178, 26.9684



0.1806, 0.2199, 0.4961

Inverse Universe

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



24.0958, 19.5599, 25.7990



41.1543, 31.3297, 42.8719



29.0549, 32.4261, 18.3638



6.7795, 6.7047, 7.6902



12.7167, 6.3912, 8.0249



0.2485, 0.1227, 0.2547

Previews

White Background



This preview shows how the XYZ color 21.0932, 23.2106, 36.6261 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 21.0932, 23.2106, 36.6261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

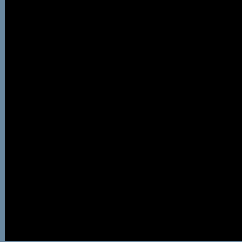
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

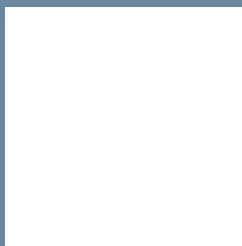
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0932, 23.2106, 36.6261

Background



This preview shows how black text looks on a background with the XYZ color 21.0932, 23.2106, 36.6261.



This preview shows how white text looks on a background with the XYZ color 21.0932, 23.2106,

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

21.0932, 23.2106, 36.6261

Protanopia

22.9545, 23.1789, 35.1624

Deuteranopia

23.4892, 23.0195, 36.9234



Tritanopia

20.1068, 23.2304, 31.8580

Trichromacy



Original Color

21.0932, 23.2106, 36.6261

Protanomaly

22.1668, 23.1656, 35.6508

Deuteranomaly

22.5694, 23.1407, 36.9953

Tritanomaly

20.4043, 23.1343, 33.5269

Monochromacy



Original Color

21.0932, 23.2106, 36.6261

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.9441, 22.4906, 28.4365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0932, 23.2106, 36.6261 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, 136, 160)` looks like.

```
.text, #text, p{  
    color:rgb(106, 136, 160)  
}
```

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, 136, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 136, 160) }
```

Border

The CSS property to change the border of an element to XYZ 21.0932, 23.2106, 36.6261 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, 136, 160) }
```


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

```
.border{ border-color:rgb(106, 136, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 136, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 136, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 136, 160);  
box-shadow:4px 4px 4px 4px rgb(106, 136,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0932, 23.2106, 36.6261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 136, 160) }
```

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

```
.background{ background-color: rgb(106,  
136, 160) }
```

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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