

Converting Colors

XYZ(20.6142, 22.5230, 36.5007)

Have a look what the booklet for
XYZ(20.6142, 22.5230, 36.5007)
contains.

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Color

**XYZ(20.5792, 22.5313,
36.5220)**

Conversions

Conversions Part 1

Format	Color
Hex	6886A0
RGB	104, 134, 160
RGB Percent	41%, 53%, 63%
CMY	0.5921, 0.4745, 0.3725
CMYK	0.35, 0.16, 0.00, 0.37
HSL	208°, 23%, 52%
HSV	208°, 35%, 63%
XYZ	20.5792, 22.5313, 36.5220
YIQ	127.9940, -26.2260, 1.7260

Conversions

Conversions Part 2

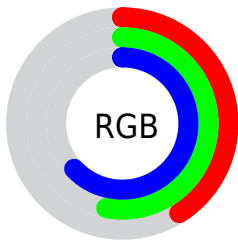
Format	Color
RYB	104, 124, 160
Decimal	6850208
CIELab	54.59, -4.01, -17.26
CIELCh	55, 17.721, 256.914
Yxy	22.5313, 0.2584, 0.2829
Android (android.graphics.Color)	4285040288 (0xFF6886A0)
YUV	127.9940, 15.7790, -21.0427
Hunter-Lab	47.4671, -5.6795, -12.3917

Details

The XYZ color **20.5792, 22.5313, 36.5220** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.9790, 24.4388, 16.4981**, and the grayscale version is **20.4699, 21.5359, 23.4526**.

A 20% lighter version of the original color is **43.9407, 47.6150, 71.1647**, and **7.4766, 8.3640, 15.4077** is the 20% darker color. If you saturate the color by 10%, you get **17.9045, 19.6819, 36.1134**, and if you desaturate by 10%, it is **23.6799, 25.7084, 36.9722**.

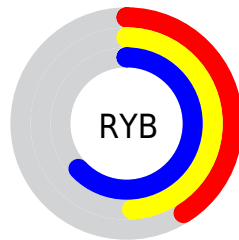
Distribution



Red (41%)

Green (53%)

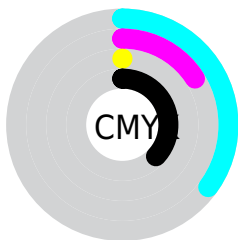
Blue (63%)



Red (41%)

Yellow (49%)

Blue (63%)

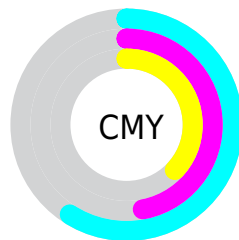


Cyan (35%)

Magenta (16%)

Yellow (0%)

Black (37%)



Cyan (59%)

Magenta (47%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5792, 22.5313, 36.5220 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 20.5792, 22.5313, 36.5220 by changing the saturation by 10% instead.

■ 20.5792, 22.5313,
36.5220

■ 20.5792, 22.5313,
36.5220

247.8079,
265.3084, 346.3426

■ 12.9275, 14.2478,
24.5447

■ 43.8827, 47.6226,
71.0151

■ 7.4553, 8.2932,
15.5223

■ 60.2652, 65.1991,
94.3680

■ 3.7973, 4.2831,
9.0361

■ 80.2887, 86.6422,
122.3499

■ 1.5881, 1.8332,
4.6676

■ 104.3185,
112.3361, 155.3792

■ 0.3846, 0.5077,
1.9983

132.7199,
142.6653, 193.8747

■ 0.0000, 0.0000,
0.5542

165.8584,

■ 0.0000, 0.0000,

178.0141, 238.2547

0.0000

204.0993,
218.7671, 288.9378

■ 20.5792, 22.5313,
36.5220

■ 20.5792, 22.5313,
36.5220

■ 17.9045, 19.6819,
36.1134

■ 23.6799, 25.7084,
36.9722

■ 15.6321, 17.1442,
35.7433

■ 27.2243, 29.2230,
37.4638

■ 13.7393, 14.9049,
35.4109

■ 31.2315, 33.0874,
37.9985

■ 12.1998, 12.9481,
35.1143

■ 35.7191, 37.3127,
38.5775

■ 10.9838, 11.2559,
34.8518

■ 40.7034, 41.9093,
39.2021

■ 10.0538, 9.8066,
34.6210

■ 46.2002, 46.8872,
39.8732

■ 9.6504, 9.1485,
34.5153

■ 52.2243, 52.2559,
40.5919

■ 58.7902, 58.0247,
41.3594

■ 65.9115, 64.2024,
42.1764

Harmonies

Analogous

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



18.9595, 22.5313, 33.2216



20.5792, 22.5313, 36.5220



22.5226, 22.5313, 36.2810

Triad

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



20.5792, 22.5313, 36.5220



25.1987, 22.5313, 21.5450



18.7970, 22.5313, 17.9161

Complementary

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



20.5792, 22.5313, 36.5220



24.9790, 24.4388, 16.4981

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.



20.3450, 22.5313, 15.6415



20.5792, 22.5313, 36.5220



24.0746, 22.5313, 17.5087

Square

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



20.5792, 22.5313, 36.5220



25.2709, 22.5313, 27.0401



22.2738, 22.5313, 15.5046



17.9733, 22.5313, 22.1854

Rectangle

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



20.5792, 22.5313, 36.5220



23.7424, 22.5313, 34.1377



22.2738, 22.5313, 15.5046



19.2455, 22.5313, 16.9230

Sweetspot

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



20.5799, 22.5322, 36.5225



52.8206, 56.3514, 68.4795



22.2561, 29.6755, 25.3942



11.3766, 12.1579, 14.9908



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.



20.5799, 22.5322, 36.5225



33.5082, 36.8195, 65.7273



17.2916, 15.9556, 35.4264



6.5642, 6.9942, 8.4107



7.5619, 7.2154, 26.9014



0.1773, 0.2133, 0.4950

Inverse Universe

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



23.7512, 19.0962, 24.9892



40.2924, 30.1517, 40.9017



29.0872, 32.6552, 17.8675



6.7741, 6.7026, 7.6617



12.6151, 6.3506, 7.4902



0.2468, 0.1221, 0.2459

Previews

White Background



This preview shows how the XYZ color 20.5792, 22.5313, 36.5220 looks on a white background.

Color Contrast Check

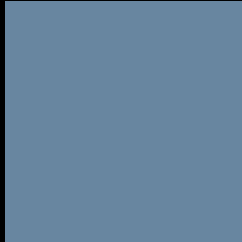
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5792, 22.5313, 36.5220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

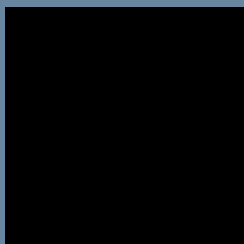
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

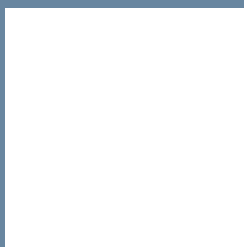
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5792, 22.5313, 36.5220

Background



This preview shows how black text looks on a background with the XYZ color 20.5792, 22.5313, 36.5220.



This preview shows how white text looks on a background with the XYZ color 20.5792, 22.5313,

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

20.5792, 22.5313, 36.5220

Protanopia

22.2482, 22.4199, 35.0532

Deuteranopia

22.9046, 22.5236, 36.8585



Tritanopia

19.4374, 22.4816, 30.9187

Trichromacy



Original Color

20.5792, 22.5313, 36.5220

Protanomaly

21.6240, 22.4831, 35.5477

Deuteranomaly

22.0234, 22.4604, 36.8927

Tritanomaly

19.8110, 22.4197, 32.9891

Monochromacy



Original Color

20.5792, 22.5313, 36.5220

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.3240, 21.7807, 27.9438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5792, 22.5313, 36.5220 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(104, 134, 160)` looks like.

```
.text, #text, p{  
    color:rgb(104, 134, 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(104, 134, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 134, 160) }
```

Border

The CSS property to change the border of an element to XYZ 20.5792, 22.5313, 36.5220 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(104, 134, 160) }
```


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

```
.border{ border-color:rgb(104, 134, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 134, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 134, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 134, 160);  
box-shadow:4px 4px 4px 4px rgb(104, 134,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5792, 22.5313, 36.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 134, 160) }
```

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

```
.background{ background-color: rgb(104,  
134, 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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