

Converting Colors

XYZ(20.2042, 23.5344, 37.5207)

Have a look what the booklet for
XYZ(20.2042, 23.5344, 37.5207)
contains.

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Color

**XYZ(20.3133, 23.6401,
37.6748)**

Conversions

Conversions Part 1

Format	Color
Hex	5C8CA2
RGB	92, 140, 162
RGB Percent	36%, 55%, 64%
CMY	0.6392, 0.4510, 0.3647
CMYK	0.43, 0.14, 0.00, 0.36
HSL	199°, 28%, 50%
HSV	199°, 43%, 64%
XYZ	20.3133, 23.6401, 37.6748
YIQ	128.1560, -35.6700, -3.3340

Conversions

Conversions Part 2

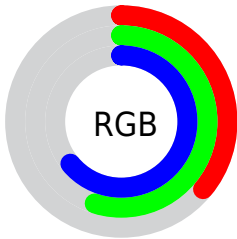
Format	Color
R_{YB}	92, 120, 162
Decimal	6065314
CIE _{Lab}	55.73, -10.22, -16.74
CIE _{LCh}	56, 19.617, 238.595
Yxy	23.6401, 0.2489, 0.2896
Android (android.graphics.Color)	4284255394 (0xFF5C8CA2)
YUV	128.1560, 16.6851, -31.7088
Hunter-Lab	48.6211, -10.5118, -11.9070

Details

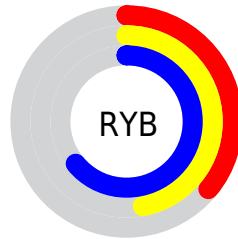
The XYZ color **20.3133, 23.6401, 37.6748** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.8499, 20.4892, 12.8764**, and the grayscale version is **20.5253, 21.5942, 23.5161**.

A 20% lighter version of the original color is **43.4932, 49.6131, 72.9296**, and **7.3073, 8.8695, 16.0787** is the 20% darker color. If you saturate the color by 10%, you get **18.1381, 21.4403, 37.3653**, and if you desaturate by 10%, it is **22.8705, 26.0890, 38.0131**.

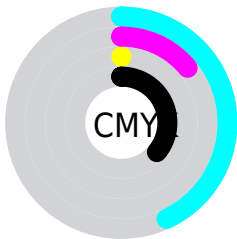
Distribution



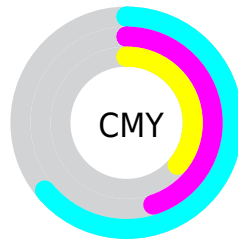
- Red (36%)
- Green (55%)
- Blue (64%)



- Red (36%)
- Yellow (47%)
- Blue (64%)



- Cyan (43%)
- Magenta (14%)
- Yellow (0%)
- Black (36%)



- Cyan (64%)
- Magenta (45%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3133, 23.6401, 37.6748 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 20.3133, 23.6401, 37.6748 by changing the saturation by 10% instead.

■ 20.3133, 23.6401,
37.6748

■ 20.3133, 23.6401,
37.6748

246.4075,
270.9959, 351.4792

■ 12.7326, 15.0669,
25.4305

■ 43.4418, 49.4423,
72.8073

■ 7.3204, 8.8663,
16.1762

■ 59.7202, 67.4400,
96.5326

■ 3.7114, 4.6541,
9.4932

■ 79.6287, 89.3479,
124.9220

■ 1.5402, 2.0458,
4.9631

■ 103.5324,
115.5506, 158.3940

■ 0.3529, 0.6339,
2.1672

131.7968,
146.4323, 197.3672

■ 0.0000, 0.0000,
0.6554

164.7872,

■ 0.0000, 0.0000,

182.3775, 242.2601

0.0000

202.8690,
223.7706, 293.4912

■ 20.3133, 23.6401,
37.6748

■ 20.3133, 23.6401,
37.6748

■ 18.1381, 21.4403,
37.3653

■ 22.8705, 26.0890,
38.0131

■ 16.3199, 19.4744,
37.0816

■ 25.8281, 28.7956,
38.3797

■ 14.8342, 17.7296,
36.8232

■ 29.2062, 31.7714,
38.7760

■ 13.6520, 16.1903,
36.5884

■ 33.0226, 35.0262,
39.2031

■ 12.7388, 14.8380,
36.3755

■ 37.2941, 38.5694,
39.6619

■ 12.2157, 13.9968,
36.2407

■ 42.0366, 42.4097,
40.1532

■ 47.2651, 46.5555,
40.6778

■ 52.9942, 51.0149,
41.2366

■ 59.2376, 55.7955,
41.8303

Harmonies

Analogous

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



18.9190, 23.6401, 32.0595



20.3133, 23.6401, 37.6748



22.3645, 23.6401, 40.0308

Triad

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



20.3133, 23.6401, 37.6748



27.0222, 23.6401, 26.0415



20.4836, 23.6401, 16.4130

Complementary

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



20.3133, 23.6401, 37.6748



22.8499, 20.4892, 12.8764

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.



22.5742, 23.6401, 15.3334



20.3133, 23.6401, 37.6748



26.4379, 23.6401, 20.3109

Square

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



20.3133, 23.6401, 37.6748



26.3212, 23.6401, 32.6653



24.7725, 23.6401, 16.6365



19.0127, 23.6401, 19.8701

Rectangle

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



20.3133, 23.6401, 37.6748



23.8609, 23.6401, 39.1834



24.7725, 23.6401, 16.6365



21.1327, 23.6401, 15.7880

Sweetspot

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



20.3140, 23.6410, 37.6754



52.9958, 57.6561, 70.3917



20.3152, 29.3088, 20.2099



11.5954, 12.6822, 15.7743



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.3140, 23.6410, 37.6754



33.0072, 39.0054, 67.8453



16.0899, 15.1928, 36.2673



7.0875, 7.6339, 9.0030



9.6635, 11.1064, 28.5642



0.2424, 0.3120, 0.6133

Inverse Universe

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



23.4617, 17.2298, 26.9010



39.7039, 26.5446, 44.6582



27.4225, 29.6345, 14.4006



7.2691, 7.1641, 8.4036



14.0231, 6.9653, 12.5784



0.3145, 0.1543, 0.3688

Previews

White Background



This preview shows how the XYZ color 20.3133, 23.6401, 37.6748 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 20.3133, 23.6401, 37.6748 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

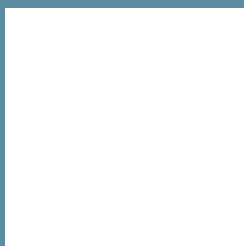
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3133, 23.6401, 37.6748

Background



This preview shows how black text looks on a background with the XYZ color 20.3133, 23.6401, 37.6748.



This preview shows how white text looks on a background with the XYZ color 20.3133, 23.6401,

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

20.3133, 23.6401, 37.6748

Protanopia

23.1541, 23.4920, 34.7666

Deuteranopia

23.8894, 23.3914, 38.3778



Tritanopia

19.5426, 23.7698, 33.6950

Trichromacy



Original Color

20.3133, 23.6401, 37.6748

Protanomaly

21.9058, 23.4414, 35.7178

Deuteranomaly

22.3384, 23.4075, 37.9911

Tritanomaly

19.7421, 23.6237, 34.9718

Monochromacy



Original Color

20.3133, 23.6401, 37.6748

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.0551, 22.0408, 28.0082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3133, 23.6401, 37.6748 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(92, 140, 162) looks like.

```
.text, #text, p{  
    color:rgb(92, 140, 162)  
}
```

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(92, 140, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 140, 162) }
```

Border

The CSS property to change the border of an element to XYZ 20.3133, 23.6401, 37.6748 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(92, 140, 162) }
```


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

```
.border{ border-color:rgb(92, 140, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 140, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 140, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 140, 162);  
box-shadow:4px 4px 4px 4px rgb(92, 140,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3133, 23.6401, 37.6748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 140, 162) }
```

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

```
.background{ background-color: rgb(92, 140,  
162) }
```

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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