

Converting Colors

XYZ(23.9432, 20.3942, 65.3433)

Have a look what the booklet for
XYZ(23.9432, 20.3942, 65.3433)
contains.

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Color

**XYZ(23.9650, 20.4102,
65.6273)**

Conversions

Conversions Part 1

Format	Color
Hex	6775D5
RGB	103, 117, 213
RGB Percent	40%, 46%, 84%
CMY	0.5961, 0.5412, 0.1647
CMYK	0.52, 0.45, 0.00, 0.16
HSL	232°, 57%, 62%
HSV	232°, 52%, 84%
XYZ	23.9650, 20.4102, 65.6273
YIQ	123.7580, -39.1600, 26.8880

Conversions

Conversions Part 2

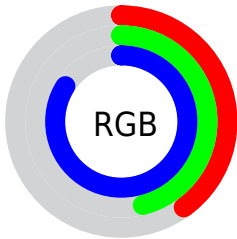
Format	Color
RYB	103, 115, 213
Decimal	6780373
CIELab	52.30, 21.49, -51.19
CIELCh	52, 55.515, 292.773
Yxy	20.4102, 0.2179, 0.1855
Android (android.graphics.Color)	4284970453 (0xFF6775D5)
YUV	123.7580, 43.9963, -18.2048
Hunter-Lab	45.1776, 15.6265, -54.5032

Details

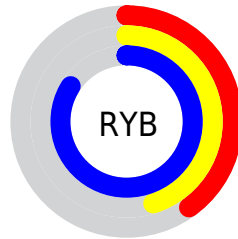
The XYZ color **23.9650, 20.4102, 65.6273** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **50.3135, 55.9743, 20.9855**, and the grayscale version is **18.9462, 19.9329, 21.7069**.

A 20% lighter version of the original color is **46.7352, 43.0695, 100.4578**, and **9.2141, 7.1963, 33.2511** is the 20% darker color. If you saturate the color by 10%, you get **19.8707, 15.3974, 64.8759**, and if you desaturate by 10%, it is **29.1133, 26.6053, 66.5522**.

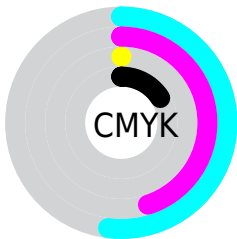
Distribution



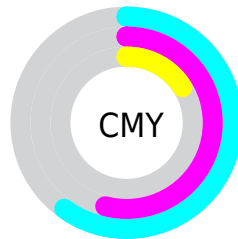
- Red (40%)
- Green (46%)
- Blue (84%)



- Red (40%)
- Yellow (45%)
- Blue (84%)



- Cyan (52%)
- Magenta (45%)
- Yellow (0%)
- Black (16%)



- Cyan (60%)
- Magenta (54%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9650, 20.4102, 65.6273 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 23.9650, 20.4102, 65.6273 by changing the saturation by 10% instead.

■ 23.9650, 20.4102,
65.6273

■ 23.9650, 20.4102,
65.6273

265.0872,
254.1272, 463.4106

■ 15.4323, 12.6936,
47.5153

■ 49.4282, 44.1039,
114.5731

■ 9.2116, 7.2179,
33.0860

■ 67.0893, 60.8497,
146.2441

■ 4.9377, 3.5987,
21.9207

■ 88.5240, 81.3740,
183.2718

■ 2.2451, 1.4517,
13.6009

■ 114.0975,
106.0612, 226.0748

■ 0.7664, 0.2544,
7.7080

144.1752,
135.2958, 275.0717

■ 0.0000, 0.0000,
3.8236

179.1225,

■ 0.0000, 0.0000,

169.4620, 330.6809

1.5291

219.3047,
208.9444, 393.3210

■ 0.0000, 0.0000,
0.2395

■ 0.0000, 0.0000,
0.0000

■ 23.9650, 20.4102,
65.6273

■ 23.9650, 20.4102,
65.6273

■ 19.8707, 15.3974,
64.8759

■ 29.1133, 26.6053,
66.5522

■ 16.7540, 11.4887,
64.2858

■ 35.3797, 34.0499,
67.6588

■ 14.5322, 8.5999,
63.8453

■ 42.8262, 42.8085,
68.9569

■ 13.1071, 6.6327,
63.5407

■ 51.5094, 52.9405,
70.4550

■ 12.4046, 5.5928,
63.3770

■ 61.4822, 64.5017,
72.1609

■ 72.7945, 77.5448,
74.0822

■ 85.4936, 92.1199,
76.2262

■ 89.0103, 97.5841,
77.0955

Harmonies

Analogous

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



18.0511, 20.4102, 70.2615



23.9650, 20.4102, 65.6273



29.5157, 20.4102, 47.1773

Triad

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



23.9650, 20.4102, 65.6273



26.8251, 20.4102, 5.4156



10.4215, 20.4102, 18.4989

Complementary

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



23.9650, 20.4102, 65.6273



50.3135, 55.9743, 20.9855

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.



11.9071, 20.4102, 8.1159



23.9650, 20.4102, 65.6273



20.8130, 20.4102, 3.3518

Square

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



23.9650, 20.4102, 65.6273



31.3801, 20.4102, 12.1421



15.4537, 20.4102, 4.0148



10.9375, 20.4102, 36.7446

Rectangle

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



23.9650, 20.4102, 65.6273



31.8832, 20.4102, 32.8921



15.4537, 20.4102, 4.0148



10.6916, 20.4102, 14.1538

Sweetspot

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



23.9658, 20.4109, 65.6278



72.6107, 73.9729, 105.0589



39.6202, 54.5654, 62.0726



14.9433, 15.1352, 22.3837



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.9658, 20.4109, 65.6278



29.3325, 22.4826, 97.4013



28.2471, 20.3753, 65.3953



11.8687, 12.2608, 15.6785



7.6184, 3.4985, 38.7269



0.5024, 0.2967, 2.3501

Inverse Universe

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



35.5025, 25.1321, 19.8098



48.7174, 31.0757, 20.2656



43.4033, 57.4148, 21.6278



12.4869, 12.4463, 13.2384



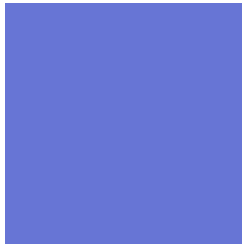
16.9043, 8.6980, 1.5339



1.0412, 0.5333, 0.2065

Previews

White Background



This preview shows how the XYZ color 23.9650, 20.4102, 65.6273 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 23.9650, 20.4102, 65.6273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

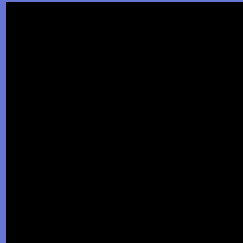
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9650, 20.4102, 65.6273

Background



This preview shows how black text looks on a background with the XYZ color 23.9650, 20.4102, 65.6273.



This preview shows how white text looks on a background with the XYZ color 23.9650, 20.4102,

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

23.9650, 20.4102, 65.6273

Protanopia

22.7551, 20.4338, 68.3904

Deuteranopia

21.2053, 20.6490, 64.4960



Tritanopia

16.6537, 20.4637, 29.0587

Trichromacy



Original Color

23.9650, 20.4102, 65.6273

Protanomaly

23.2310, 20.5147, 67.7011

Deuteranomaly

22.0272, 20.4972, 65.0827

Tritanomaly

18.6818, 20.0806, 39.9371

Monochromacy



Original Color

23.9650, 20.4102, 65.6273

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.0406, 19.7880, 34.2157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9650, 20.4102, 65.6273 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(103, 117, 213)` looks like.

```
.text, #text, p{  
    color:rgb(103, 117, 213)  
}
```

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(103, 117, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 117, 213) }
```

Border

The CSS property to change the border of an element to XYZ 23.9650, 20.4102, 65.6273 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(103, 117, 213) }
```


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

```
.border{ border-color:rgb(103, 117, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 117, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 117, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 117, 213); box-shadow:4px 4px 4px 4px rgb(103, 117, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9650, 20.4102, 65.6273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 117, 213) }
```

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

```
.background{ background-color: rgb(103,  
117, 213) }
```

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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