

Converting Colors

XYZ(21.2043, 23.0532, 62.3657)

Have a look what the booklet for
XYZ(21.2043, 23.0532, 62.3657)
contains.

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Color

**XYZ(21.2654, 23.1534,
62.3797)**

Conversions

Conversions Part 1

Format	Color
Hex	298ACF
RGB	41, 138, 207
RGB Percent	16%, 54%, 81%
CMY	0.8392, 0.4588, 0.1882
CMYK	0.80, 0.33, 0.00, 0.19
HSL	205°, 67%, 49%
HSV	205°, 80%, 81%
XYZ	21.2654, 23.1534, 62.3797
YIQ	116.8630, -79.9610, 0.8950

Conversions

Conversions Part 2

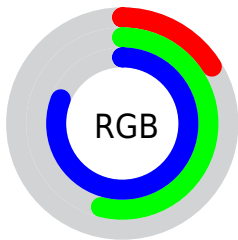
Format	Color
R _Y B	41, 102, 207
Decimal	2722511
CIE Lab	55.23, -3.49, -43.30
CIE LCh	55, 43.438, 265.396
Yxy	23.1534, 0.1991, 0.2168
Android (android.graphics.Color)	4280912591 (0xFF298ACF)
YUV	116.8630, 44.4375, -66.5319
Hunter-Lab	48.1180, -5.3197, -43.1804

Details

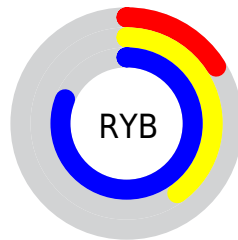
The XYZ color **21.2654, 23.1534, 62.3797** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **31.7101, 24.5804, 5.1723**, and the grayscale version is **16.7524, 17.6248, 19.1934**.

A 20% lighter version of the original color is **43.3629, 47.9263, 101.5730**, and **9.2399, 9.4118, 31.0354** is the 20% darker color. If you saturate the color by 10%, you get **19.4601, 20.4623, 61.9559**, and if you desaturate by 10%, it is **23.6039, 26.2652, 62.8576**.

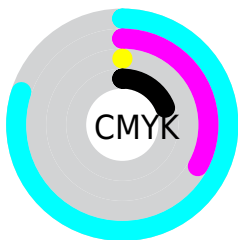
Distribution



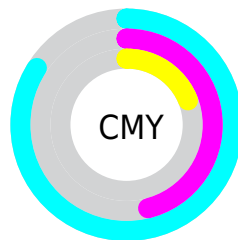
- Red (16%)
- Green (54%)
- Blue (81%)



- Red (16%)
- Yellow (40%)
- Blue (81%)



- Cyan (80%)
- Magenta (33%)
- Yellow (0%)
- Black (19%)



- Cyan (84%)
- Magenta (46%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2654, 23.1534, 62.3797 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 21.2654, 23.1534, 62.3797 by changing the saturation by 10% instead.

■ 21.2654, 23.1534,
62.3797

■ 21.2654, 23.1534,
62.3797

251.3907,
268.5119, 451.3606

■ 13.4317, 14.7068,
44.9018

■ 45.0168, 48.6451,
109.8510

■ 7.8055, 8.6139,
31.0377

■ 61.6652, 66.4590,
140.6815

■ 4.0215, 4.4902,
20.3689

■ 81.9825, 88.1641,
176.8000

■ 1.7143, 1.9514,
12.4767

■ 106.3341,
114.1448, 218.6250

■ 0.4652, 0.5790,
6.9428

■ 135.0854,
144.7856, 266.5750

■ 0.0000, 0.0000,
3.3484

168.6017,

■ 0.0000, 0.0000,

180.4708, 321.0686

1.2752

207.2483,
221.5847, 382.5242

■ 0.0000, 0.0000,
0.0413

■ 0.0000, 0.0000,
0.0000

■ 21.2654, 23.1534,
62.3797

■ 21.2654, 23.1534,
62.3797

■ 19.4601, 20.4623,
61.9559

■ 23.6039, 26.2652,
62.8576

■ 18.0942, 18.1682,
61.5851

■ 26.5349, 29.8306,
63.3913

■ 30.1118, 33.8805,
63.9845

■ 34.3807, 38.4418,
64.6399

■ 39.3833, 43.5389,
65.3601

■ 45.1578, 49.1944,
66.1474

■ 51.7394, 55.4293,
67.0039

■ 59.1612, 62.2632,
67.9318

■ 67.4543, 69.7149,
68.9331

Harmonies

Analogous

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



17.1170, 23.1534, 54.2607



21.2654, 23.1534, 62.3797



26.2605, 23.1534, 57.9191

Triad

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



21.2654, 23.1534, 62.3797



31.5688, 23.1534, 15.3898



15.1790, 23.1534, 12.8658

Complementary

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



21.2654, 23.1534, 62.3797



31.7101, 24.5804, 5.1723

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.



18.2388, 23.1534, 7.9437



21.2654, 23.1534, 62.3797



27.7486, 23.1534, 8.9800

Square

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



21.2654, 23.1534, 62.3797



32.6917, 23.1534, 27.4187



22.7649, 23.1534, 6.8419



13.9475, 23.1534, 23.1234

Rectangle

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



21.2654, 23.1534, 62.3797



29.3492, 23.1534, 49.0459



22.7649, 23.1534, 6.8419



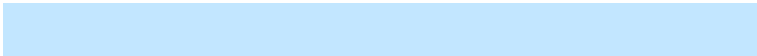
16.0038, 23.1534, 10.7051

Sweetspot

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



21.2663, 23.1542, 62.3803



68.4213, 75.0118, 105.4803



25.9034, 46.1679, 21.5689



13.9397, 15.3625, 22.4805



0.0000, 0.0000, 0.0000



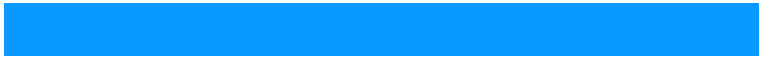
20.3446, 21.4041, 23.3091

Same Dimension

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



21.2663, 23.1542, 62.3803



29.6081, 30.1466, 98.8661



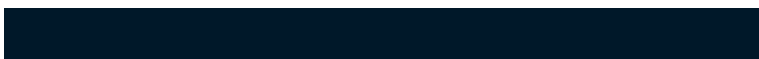
13.6712, 7.9639, 59.8486



11.7293, 12.5489, 15.0476



11.4954, 11.6374, 38.8329



0.7201, 0.8054, 2.1971

Inverse Universe

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



31.1133, 16.6874, 25.6265



47.1203, 23.7892, 32.3489



44.6335, 50.4270, 9.4800



12.0943, 11.9224, 13.7722



18.4331, 9.2461, 12.4526



1.0697, 0.5326, 0.9019

Previews

White Background



This preview shows how the XYZ color 21.2654, 23.1534, 62.3797 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 21.2654, 23.1534, 62.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

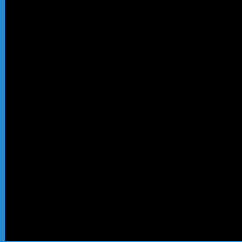
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2654, 23.1534, 62.3797

Background



This preview shows how black text looks on a background with the XYZ color 21.2654, 23.1534, 62.3797.



This preview shows how white text looks on a background with the XYZ color 21.2654, 23.1534,

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

21.2654, 23.1534, 62.3797

Protanopia

24.2225, 22.9498, 57.1859

Deuteranopia

23.7844, 23.1807, 63.5423



Tritanopia

16.3647, 22.9921, 35.4737

Trichromacy



Original Color

21.2654, 23.1534, 62.3797

Protanomaly

22.4792, 22.6058, 59.0557

Deuteranomaly

22.5088, 22.9439, 62.9168

Tritanomaly

17.7573, 22.8416, 44.0304

Monochromacy



Original Color

21.2654, 23.1534, 62.3797

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.9585, 18.9931, 31.6264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2654, 23.1534, 62.3797 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(41, 138, 207)` looks like.

```
.text, #text, p{  
    color:rgb(41, 138, 207)  
}
```

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(41, 138, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 138, 207) }
```

Border

The CSS property to change the border of an element to XYZ 21.2654, 23.1534, 62.3797 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(41, 138, 207) }
```


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

```
.border{ border-color:rgb(41, 138, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 138, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 138, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 138, 207);  
box-shadow:4px 4px 4px 4px rgb(41, 138,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2654, 23.1534, 62.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 138, 207) }
```

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

```
.background{ background-color: rgb(41, 138,  
207) }
```

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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