

Converting Colors

XYZ(21.6063, 24.2127, 40.0942)

Have a look what the booklet for
XYZ(21.6063, 24.2127, 40.0942)
contains.

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Color

**XYZ(21.6087, 24.2555,
40.1021)**

Conversions

Conversions Part 1

Format	Color
Hex	648CA7
RGB	100, 140, 167
RGB Percent	39%, 55%, 65%
CMY	0.6078, 0.4510, 0.3451
CMYK	0.40, 0.16, 0.00, 0.35
HSL	204°, 28%, 52%
HSV	204°, 40%, 65%
XYZ	21.6087, 24.2555, 40.1021
YIQ	131.1180, -32.5070, -0.0830

Conversions

Conversions Part 2

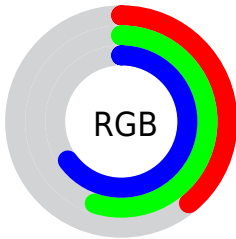
Format	Color
R_{YB}	100, 125, 167
Decimal	6589607
CIE _{Lab}	56.34, -6.66, -18.63
CIE _{LCh}	56, 19.786, 250.337
Yxy	24.2555, 0.2514, 0.2822
Android (android.graphics.Color)	4284779687 (0xFF648CA7)
YUV	131.1180, 17.6898, -27.2905
Hunter-Lab	49.2499, -7.8692, -13.8024

Details

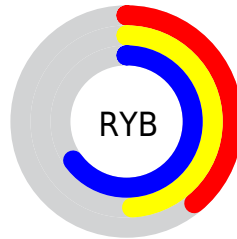
The XYZ color **21.6087, 24.2555, 40.1021** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.8266, 24.3150, 15.3895**, and the grayscale version is **21.5633, 22.6863, 24.7053**.

A 20% lighter version of the original color is **45.6135, 50.6298, 76.4757**, and **7.9696, 9.1785, 17.5712** is the 20% darker color. If you saturate the color by 10%, you get **18.9941, 21.4927, 39.7071**, and if you desaturate by 10%, it is **24.6636, 27.3357, 40.5361**.

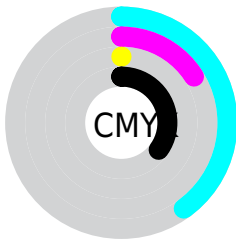
Distribution



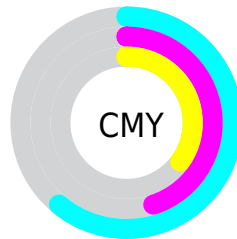
- Red (39%)
- Green (55%)
- Blue (65%)



- Red (39%)
- Yellow (49%)
- Blue (65%)



- Cyan (40%)
- Magenta (16%)
- Yellow (0%)
- Black (35%)



- Cyan (61%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6087, 24.2555, 40.1021 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 21.6087, 24.2555, 40.1021 by changing the saturation by 10% instead.

■ 21.6087, 24.2555,
40.1021

■ 21.6087, 24.2555,
40.1021

253.1669,
274.1097, 362.1186

■ 13.6847, 15.5233,
27.3038

■ 45.5821, 50.4468,
76.5578

■ 7.9819, 9.1874,
17.5670

■ 62.3621, 68.6747,
101.0521

■ 4.1351, 4.8636,
10.4734

■ 82.8249, 90.8366,
130.2823

■ 1.7788, 2.1675,
5.6042

■ 107.3358,
117.3168, 164.6668

■ 0.5049, 0.7022,
2.5411

136.2600,
148.4999, 204.6241

■ 0.0000, 0.0000,
0.8618

169.9631,

■ 0.0000, 0.0000,

184.7701, 250.5728

0.0000

208.8102,
226.5119, 302.9315

■ 21.6087, 24.2555,
40.1021

■ 21.6087, 24.2555,
40.1021

■ 18.9941, 21.4927,
39.7071

■ 24.6636, 27.3357,
40.5361

■ 16.7932, 19.0303,
39.3478

■ 28.1788, 30.7435,
41.0086

■ 14.9798, 16.8537,
39.0232

■ 32.1760, 34.4921,
41.5214

■ 13.5233, 14.9456,
38.7317

■ 36.6744, 38.5929,
42.0759

■ 12.3881, 13.2858,
38.4711

■ 41.6924, 43.0568,
42.6730

■ 11.5039, 11.8476,
38.2401

■ 47.2474, 47.8941,
43.3139

■ 53.3557, 53.1147,
43.9997

■ 60.0333, 58.7282,
44.7312

■ 67.2952, 64.7435,
45.5096

Harmonies

Analogous

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



19.8681, 24.2555, 35.4096



21.6087, 24.2555, 40.1021



23.8506, 24.2555, 40.8049

Triad

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



21.6087, 24.2555, 40.1021



27.6467, 24.2555, 24.2184



20.3285, 24.2555, 17.9413

Complementary

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



21.6087, 24.2555, 40.1021



25.8266, 24.3150, 15.3895

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.



22.2756, 24.2555, 15.8746



21.6087, 24.2555, 40.1021



26.5638, 24.2555, 19.0814

Square

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



21.6087, 24.2555, 40.1021



27.4387, 24.2555, 30.8691



24.5626, 24.2555, 16.2543



19.1634, 24.2555, 22.4026

Rectangle

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



21.6087, 24.2555, 40.1021



25.3426, 24.2555, 38.8108



24.5626, 24.2555, 16.2543



20.9078, 24.2555, 16.9798

Sweetspot

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



21.6095, 24.2564, 40.1027



56.0484, 60.3115, 74.1625



22.8927, 31.8744, 24.9570



12.3388, 13.3067, 16.5703



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.6095, 24.2564, 40.1027



34.5604, 39.0798, 71.1969



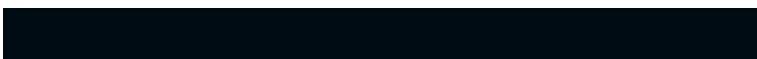
17.4578, 15.9532, 38.7188



7.4901, 8.0172, 9.5710



8.8517, 9.1637, 29.2777



0.2635, 0.3193, 0.7284

Inverse Universe

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



25.2278, 19.2241, 27.1928



42.1344, 29.5473, 43.9494



30.8600, 34.3819, 17.0673



7.7120, 7.6147, 8.8006



13.9685, 6.9961, 9.9119



0.3642, 0.1799, 0.3691

Previews

White Background



This preview shows how the XYZ color 21.6087, 24.2555, 40.1021 looks on a white background.

Color Contrast Check

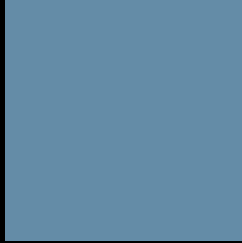
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6087, 24.2555, 40.1021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

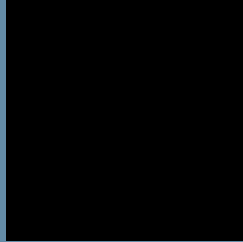
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6087, 24.2555, 40.1021

Background



This preview shows how black text looks on a background with the XYZ color 21.6087, 24.2555, 40.1021.



This preview shows how white text looks on a background with the XYZ color 21.6087, 24.2555,

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

21.6087, 24.2555, 40.1021

Protanopia

23.8112, 23.9729, 37.5547

Deuteranopia

24.6186, 24.1129, 40.8928



Tritanopia

20.3296, 24.1659, 34.1648

Trichromacy



Original Color

21.6087, 24.2555, 40.1021

Protanomaly

22.9762, 24.1402, 38.5705

Deuteranomaly

23.3396, 24.0770, 40.4630

Tritanomaly

20.7126, 24.0943, 36.3599

Monochromacy



Original Color

21.6087, 24.2555, 40.1021

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.3049, 23.0569, 29.7131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6087, 24.2555, 40.1021 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(100, 140, 167)` looks like.

```
.text, #text, p{  
    color:rgb(100, 140, 167)  
}
```

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(100, 140, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 140, 167) }
```

Border

The CSS property to change the border of an element to XYZ 21.6087, 24.2555, 40.1021 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(100, 140, 167) }
```


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

```
.border{ border-color:rgb(100, 140, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 140, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 140, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 140, 167);  
box-shadow:4px 4px 4px 4px rgb(100, 140,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6087, 24.2555, 40.1021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 140, 167) }
```

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

```
.background{ background-color: rgb(100,  
140, 167) }
```

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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