

Converting Colors

XYZ(19.3091, 21.4621, 40.6909)

Have a look what the booklet for
XYZ(19.3091, 21.4621, 40.6909)
contains.

XYZ(19.2504, 21.3455, 40.6416)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.2504, 21.3455,
40.6416)**

Conversions

Conversions Part 1

Format	Color
Hex	5684A9
RGB	86, 132, 169
RGB Percent	34%, 52%, 66%
CMY	0.6627, 0.4823, 0.3373
CMYK	0.49, 0.22, 0.00, 0.34
HSL	207°, 33%, 50%
HSV	207°, 49%, 66%
XYZ	19.2504, 21.3455, 40.6416
YIQ	122.4640, -39.2930, 1.7550

Conversions

Conversions Part 2

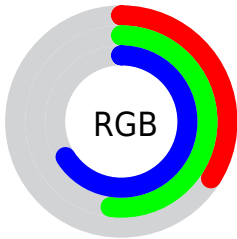
Format	Color
R _Y B	86, 116, 169
Decimal	5670057
CIE Lab	53.33, -5.18, -24.47
CIE LCh	53, 25.018, 258.039
Yxy	21.3455, 0.2370, 0.2628
Android (android.graphics.Color)	4283860137 (0xFF5684A9)
YUV	122.4640, 22.9422, -31.9789
Hunter-Lab	46.2012, -6.4775, -19.8145

Details

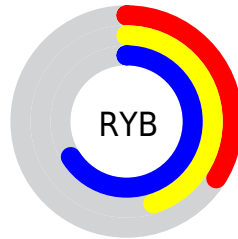
The XYZ color **19.2504, 21.3455, 40.6416** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.1254, 23.2735, 11.9728**, and the grayscale version is **18.5874, 19.5554, 21.2959**.

A 20% lighter version of the original color is **41.6187, 45.6552, 77.1398**, and **6.8108, 7.7321, 17.9631** is the 20% darker color. If you saturate the color by 10%, you get **16.8896, 18.6666, 40.2493**, and if you desaturate by 10%, it is **22.0544, 24.3633, 41.0767**.

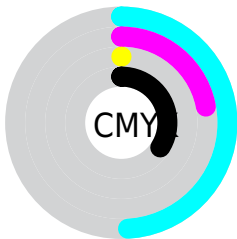
Distribution



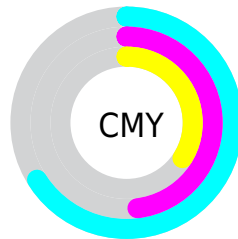
- Red (34%)
- Green (52%)
- Blue (66%)



- Red (34%)
- Yellow (45%)
- Blue (66%)



- Cyan (49%)
- Magenta (22%)
- Yellow (0%)
- Black (34%)



- Cyan (66%)
- Magenta (48%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2504, 21.3455, 40.6416 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 19.2504, 21.3455, 40.6416 by changing the saturation by 10% instead.

■ 19.2504, 21.3455,
40.6416

■ 19.2504, 21.3455,
40.6416

240.7393,
259.1090, 364.4526

■ 11.9564, 13.3768,
27.7216

■ 41.6704, 45.6618,
77.3873

■ 6.7860, 7.6885,
17.8787

■ 57.5271, 62.7782,
102.0500

■ 3.3738, 3.8963,
10.6944

■ 76.9688, 83.7127,
131.4640

■ 1.3544, 1.6157,
5.7501

■ 100.3609,
108.8495, 166.0479

■ 0.2234, 0.3682,
2.6274

128.0686,
138.5732, 206.2201

■ 0.0000, 0.0000,
0.9066

160.4573,

■ 0.0000, 0.0000,

173.2681, 252.3993

0.0000

197.8924,
213.3185, 305.0040

■ 19.2504, 21.3455,
40.6416

■ 19.2504, 21.3455,
40.6416

■ 16.8896, 18.6666,
40.2493

■ 22.0544, 24.3633,
41.0767

■ 14.9418, 16.3074,
39.8966

■ 25.3245, 27.7327,
41.5547

■ 13.3765, 14.2503,
39.5821

■ 29.0849, 31.4688,
42.0777

■ 12.1569, 12.4738,
39.3034

■ 33.3571, 35.5848,
42.6469

■ 11.2127, 10.9391,
39.0570

■ 38.1613, 40.0931,
43.2639

■ 11.1343, 10.8103,
39.0363

■ 43.5165, 45.0055,
43.9299

■ 49.4410, 50.3335,
44.6460

■ 55.9519, 56.0876,
45.4135

■ 63.0657, 62.2784,
46.2335

Harmonies

Analogous

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



17.0683, 21.3455, 35.8703



19.2504, 21.3455, 40.6416



21.9075, 21.3455, 40.0631

Triad

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



19.2504, 21.3455, 40.6416



25.5295, 21.3455, 19.0090



16.7301, 21.3455, 14.7857

Complementary

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



19.2504, 21.3455, 40.6416



25.1254, 23.2735, 11.9728

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.



18.7508, 21.3455, 11.9436



19.2504, 21.3455, 40.6416



23.8897, 21.3455, 13.9910

Square

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



19.2504, 21.3455, 40.6416



25.6928, 21.3455, 26.3992



21.3628, 21.3455, 11.6884



15.7003, 21.3455, 20.3464

Rectangle

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



19.2504, 21.3455, 40.6416



23.5930, 21.3455, 36.7345



21.3628, 21.3455, 11.6884



17.3075, 21.3455, 13.5383

Sweetspot

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



19.2511, 21.3463, 40.6421



54.9183, 59.1089, 75.7397



21.5371, 31.7592, 23.3973



11.6427, 12.5660, 16.4640



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.



19.2511, 21.3463, 40.6421



29.8875, 33.0072, 72.0209



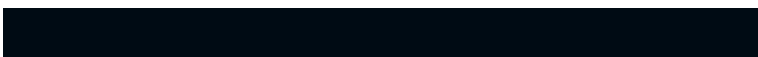
14.7867, 12.4174, 39.1540



7.4635, 7.9640, 9.5622



8.3523, 8.1649, 29.1113



0.2531, 0.2984, 0.7249

Inverse Universe

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



23.8554, 16.7572, 23.8077



39.4406, 24.9995, 36.7530



31.2226, 35.4678, 14.0052



7.6986, 7.6093, 8.7299



13.7165, 6.8953, 8.5844



0.3589, 0.1778, 0.3414

Previews

White Background



This preview shows how the XYZ color 19.2504, 21.3455, 40.6416 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 19.2504, 21.3455, 40.6416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

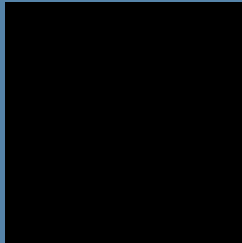
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

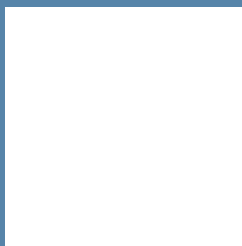
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.2504, 21.3455, 40.6416

Background



This preview shows how black text looks on a background with the XYZ color 19.2504, 21.3455, 40.6416.

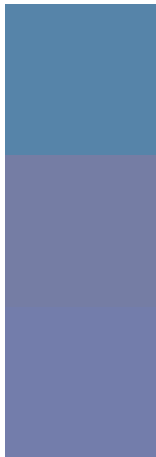


This preview shows how white text looks on a background with the XYZ color 19.2504, 21.3455,

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

19.2504, 21.3455, 40.6416

Protanopia

21.3706, 21.1295, 38.0740

Deuteranopia

21.7545, 21.2523, 41.4836



Tritanopia

17.2951, 21.3772, 30.8184

Trichromacy



Original Color

19.2504, 21.3455, 40.6416

Protanomaly

20.5460, 21.2557, 39.0963

Deuteranomaly

20.6838, 21.2837, 41.0482

Tritanomaly

18.0600, 21.4883, 34.2061

Monochromacy



Original Color

19.2504, 21.3455, 40.6416

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4277, 20.0370, 27.3224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2504, 21.3455, 40.6416 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(86, 132, 169)` looks like.

```
.text, #text, p{  
    color:rgb(86, 132, 169)  
}
```

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(86, 132, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 132, 169) }
```

Border

The CSS property to change the border of an element to XYZ 19.2504, 21.3455, 40.6416 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(86, 132, 169) }
```


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

```
.border{ border-color:rgb(86, 132, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 132, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(86, 132, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(86, 132, 169); box-shadow:4px 4px 4px 4px rgb(86, 132, 169) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2504, 21.3455, 40.6416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 132, 169) }
```

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

```
.background{ background-color: rgb(86, 132,  
169) }
```

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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