

Converting Colors

XYZ(20.2091, 24.2464, 44.6000)

Have a look what the booklet for
XYZ(20.2091, 24.2464, 44.6000)
contains.

XYZ(20.2640, 24.3463, 44.7056)	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(20.2640, 24.3463,
44.7056)**

Conversions

Conversions Part 1

Format	Color
Hex	4590B0
RGB	69, 144, 176
RGB Percent	27%, 56%, 69%
CMY	0.7294, 0.4353, 0.3098
CMYK	0.61, 0.18, 0.00, 0.31
HSL	198°, 44%, 48%
HSV	198°, 61%, 69%
XYZ	20.2640, 24.3463, 44.7056
YIQ	125.2230, -54.9720, -5.9480

Conversions

Conversions Part 2

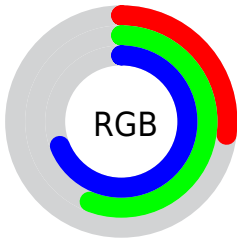
Format	Color
RYB	69, 113, 176
Decimal	4559024
CIELab	56.43, -13.51, -23.77
CIElCh	56, 27.338, 240.378
Yxy	24.3463, 0.2269, 0.2726
Android (android.graphics.Color)	4282749104 (0xFF4590B0)
YUV	125.2230, 25.0331, -49.3076
Hunter-Lab	49.3420, -13.0412, -19.1795

Details

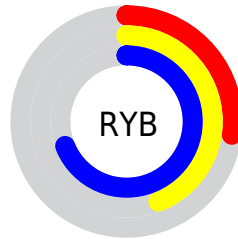
The XYZ color **20.2640, 24.3463, 44.7056** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **23.6332, 18.9683, 8.0469**, and the grayscale version is **19.5005, 20.5161, 22.3420**.

A 20% lighter version of the original color is **43.5120, 50.7264, 83.8418**, and **7.5779, 9.4355, 20.1607** is the 20% darker color. If you saturate the color by 10%, you get **18.4171, 22.2386, 44.3966**, and if you desaturate by 10%, it is **22.5199, 26.7210, 45.0455**.

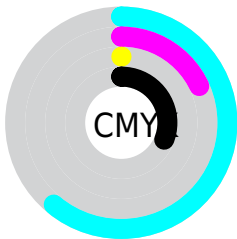
Distribution



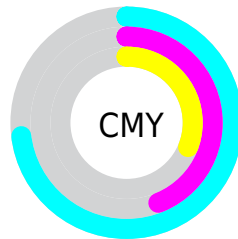
- Red (27%)
- Green (56%)
- Blue (69%)



- Red (27%)
- Yellow (44%)
- Blue (69%)



- Cyan (61%)
- Magenta (18%)
- Yellow (0%)
- Black (31%)



- Cyan (73%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2640, 24.3463, 44.7056 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 20.2640, 24.3463, 44.7056 by changing the saturation by 10% instead.

■ 20.2640, 24.3463,
44.7056

■ 20.2640, 24.3463,
44.7056

246.1472,
274.5666, 381.7052

■ 12.6965, 15.5907,
30.8843

■ 43.3599, 50.5947,
83.5922

■ 7.2954, 9.2350,
20.2531

■ 59.6190, 68.8563,
109.4947

■ 3.6955, 4.8948,
12.3932

■ 79.5061, 91.0554,
140.2612

■ 1.5314, 2.1857,
6.8863

■ 103.3863,
117.5764, 176.3105

■ 0.3470, 0.7122,
3.3137

■ 131.6252,
148.8036, 218.0610

■ 0.0000, 0.0000,
1.2570

164.5881,

■ 0.0000, 0.0000,

185.1214, 265.9313

0.0261

202.6403,
226.9143, 320.3398

■ 0.0000, 0.0000,
0.0000

■ 20.2640, 24.3463,
44.7056

■ 20.2640, 24.3463,
44.7056

■ 18.4171, 22.2386,
44.3966

■ 22.5199, 26.7210,
45.0455

■ 16.9425, 20.3768,
44.1149

■ 25.2126, 29.3764,
45.4161

■ 15.8005, 18.7401,
43.8592

■ 28.3702, 32.3280,
45.8194

■ 14.9648, 17.3911,
43.6429

■ 32.0174, 35.5894,
46.2567

■ 36.1773, 39.1731,
46.7292

■ 40.8715, 43.0909,
47.2380

■ 46.1201, 47.3539,
47.7842

■ 51.9423, 51.9726,
48.3689

■ 58.3563, 56.9571,
48.9929

Harmonies

Analogous

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



18.2824, 24.3463, 36.3235



20.2640, 24.3463, 44.7056



23.1806, 24.3463, 48.0068

Triad

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



20.2640, 24.3463, 44.7056



29.7669, 24.3463, 26.3943



20.2005, 24.3463, 14.1478

Complementary

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



20.2640, 24.3463, 44.7056



23.6332, 18.9683, 8.0469

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.



23.1003, 24.3463, 12.6329



20.2640, 24.3463, 44.7056



28.7908, 24.3463, 18.6437

Square

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



20.2640, 24.3463, 44.7056



28.8372, 24.3463, 36.0786



26.2769, 24.3463, 14.0723



18.2481, 24.3463, 18.8015

Rectangle

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



20.2640, 24.3463, 44.7056



25.3223, 24.3463, 46.4067



26.2769, 24.3463, 14.0723



21.0876, 24.3463, 13.3092

Sweetspot

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



20.2648, 24.3472, 44.7062



59.8490, 66.1013, 84.0998



20.2477, 33.2235, 17.2307



12.5272, 13.9381, 18.1744



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.2648, 24.3472, 44.7062



32.3967, 39.1070, 80.3362



14.1347, 12.0870, 42.6628



8.5238, 9.1938, 10.8317



11.0328, 12.8659, 32.0389



0.3952, 0.5009, 1.0241

Inverse Universe

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



25.0674, 15.5009, 28.0571



42.3703, 23.4525, 45.1514



30.3407, 32.3831, 10.2827



8.7396, 8.6026, 10.1271



15.8035, 7.8389, 14.6570



0.5215, 0.2563, 0.5889

Previews

White Background



This preview shows how the XYZ color 20.2640, 24.3463, 44.7056 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 20.2640, 24.3463, 44.7056 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 20.2640, 24.3463, 44.7056

Background



This preview shows how black text looks on a background with the XYZ color 20.2640, 24.3463, 44.7056.

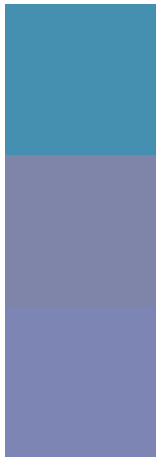


This preview shows how white text looks on a background with the XYZ color 20.2640, 24.3463,

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

20.2640, 24.3463, 44.7056

Protanopia

24.0596, 24.0378, 40.4175

Deuteranopia

24.8364, 24.3148, 46.0320



Tritanopia

18.6162, 24.3627, 36.5222

Trichromacy



Original Color

20.2640, 24.3463, 44.7056

Protanomaly

22.1220, 23.8349, 41.9627

Deuteranomaly

22.6905, 24.0487, 45.5654

Tritanomaly

19.1848, 24.3644, 39.2890

Monochromacy



Original Color

20.2640, 24.3463, 44.7056

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.1110, 21.5194, 29.5320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2640, 24.3463, 44.7056 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(69, 144, 176)` looks like.

```
.text, #text, p{  
    color:rgb(69, 144, 176)  
}
```

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(69, 144, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 144, 176) }
```

Border

The CSS property to change the border of an element to XYZ 20.2640, 24.3463, 44.7056 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(69, 144, 176) }
```


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

```
.border{ border-color:rgb(69, 144, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 144, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 144, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 144, 176);  
box-shadow:4px 4px 4px 4px rgb(69, 144,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2640, 24.3463, 44.7056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 144, 176) }
```

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

```
.background{ background-color: rgb(69, 144,  
176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor