

Converting Colors

XYZ(20.4231, 23.1064, 30.0625)

Have a look what the booklet for
XYZ(20.4231, 23.1064, 30.0625)
contains.

XYZ(20.3454, 22.9676, 30.1489)	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(20.3454, 22.9676,
30.1489)**

Conversions

Conversions Part 1

Format	Color
Hex	6E8891
RGB	110, 136, 145
RGB Percent	43%, 53%, 57%
CMY	0.5686, 0.4667, 0.4314
CMYK	0.24, 0.06, 0.00, 0.43
HSL	195°, 14%, 50%
HSV	195°, 24%, 57%
XYZ	20.3454, 22.9676, 30.1489
YIQ	129.2520, -18.3850, -2.7130

Conversions

Conversions Part 2

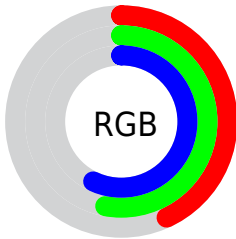
Format	Color
R_{YB}	110, 125, 145
Decimal	7243921
CIE Lab	55.04, -7.10, -7.88
CIE LCh	55, 10.607, 227.946
Yxy	22.9676, 0.2770, 0.3126
Android (android.graphics.Color)	4285434001 (0xFF6E8891)
YUV	129.2520, 7.7638, -16.8840
Hunter-Lab	47.9245, -8.0893, -3.7517

Details

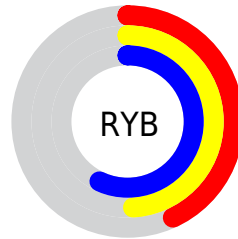
The XYZ color **20.3454, 22.9676, 30.1489** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.0887, 20.3394, 17.5668**, and the grayscale version is **20.9333, 22.0235, 23.9836**.

A 20% lighter version of the original color is **43.4067, 48.2001, 61.0486**, and **7.3178, 8.4739, 12.0764** is the 20% darker color. If you saturate the color by 10%, you get **18.1711, 21.0813, 29.8998**, and if you desaturate by 10%, it is **22.8346, 25.0445, 30.4190**.

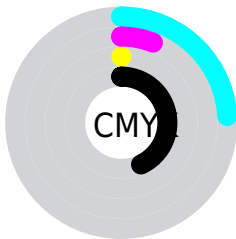
Distribution



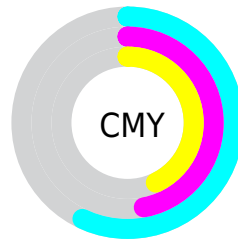
- Red (43%)
- Green (53%)
- Blue (57%)



- Red (43%)
- Yellow (49%)
- Blue (57%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (43%)



- Cyan (57%)
- Magenta (47%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3454, 22.9676, 30.1489 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 20.3454, 22.9676, 30.1489 by changing the saturation by 10% instead.

■ 20.3454, 22.9676,
30.1489

■ 20.3454, 22.9676,
30.1489

246.5770,
267.5585, 316.8268

■ 12.7561, 14.5696,
19.6986

■ 43.4951, 48.3401,
60.9614

■ 7.3366, 8.5179,
11.9943

■ 59.7861, 66.0834,
82.1606

■ 3.7217, 4.4281,
6.6173

■ 79.7085, 87.7106,
107.7800

■ 1.5459, 1.9158,
3.1491

■ 103.6274,
113.6061, 138.2379

■ 0.3568, 0.5578,
1.1713

131.9084,
144.1542, 173.9531

■ 0.0000, 0.0000,
0.0000

164.9168,

179.7394, 215.3439

203.0178,
220.7460, 262.8289

■ 20.3454, 22.9676,
30.1489

■ 20.3454, 22.9676,
30.1489

■ 18.1711, 21.0813,
29.8998

■ 22.8346, 25.0445,
30.4190

■ 16.2951, 19.3751,
29.6693

■ 25.6502, 27.3164,
30.7091

■ 14.7023, 17.8414,
29.4573

■ 28.8055, 29.7912,
31.0205

■ 13.3755, 16.4712,
29.2627

■ 32.3127, 32.4752,
31.3537

■ 12.2956, 15.2542,
29.0847

■ 36.1831, 35.3746,
31.7093

■ 11.4405, 14.1789,
28.9222

■ 40.4277, 38.4954,
32.0880

■ 10.7832, 13.2309,
28.7739

■ 45.0568, 41.8430,
32.4902

■ 10.4441, 12.7107,
28.6914

■ 50.0805, 45.4230,
32.9164

■ 55.5084, 49.2405,
33.3672

Harmonies

Analogous

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



19.7421, 22.9676, 27.0636



20.3454, 22.9676, 30.1489



21.3597, 22.9676, 31.9150

Triad

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



20.3454, 22.9676, 30.1489



24.1246, 22.9676, 26.3894



21.1384, 22.9676, 19.3220

Complementary

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



20.3454, 22.9676, 30.1489



21.0887, 20.3394, 17.5668

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.



22.3072, 22.9676, 19.1768



20.3454, 22.9676, 30.1489



24.0602, 22.9676, 23.0589

Square

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



20.3454, 22.9676, 30.1489



23.5582, 22.9676, 29.6172



23.3851, 22.9676, 20.4871



20.1885, 22.9676, 20.9034

Rectangle

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



20.3454, 22.9676, 30.1489



22.1451, 22.9676, 32.0103



23.3851, 22.9676, 20.4871



21.5179, 22.9676, 19.1091

Sweetspot

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



20.3461, 22.9685, 30.1494



44.3550, 47.6572, 54.8346



19.8711, 24.8921, 21.1320



9.8109, 10.5566, 12.1927



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.3461, 22.9685, 30.1494



34.2388, 39.2439, 53.7438



18.1089, 18.4941, 29.4037



5.4445, 5.8848, 6.8777



8.9796, 10.9453, 24.6165



0.1036, 0.1401, 0.2413

Inverse Universe

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



21.6975, 18.9498, 25.8076



37.1355, 30.9050, 44.3755



23.3314, 24.8248, 18.3144



5.5678, 5.4877, 6.4883



12.3356, 6.0913, 12.6846



0.1269, 0.0618, 0.1684

Previews

White Background



This preview shows how the XYZ color 20.3454, 22.9676, 30.1489 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 20.3454, 22.9676, 30.1489 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

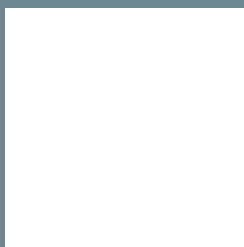
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3454, 22.9676, 30.1489

Background



This preview shows how black text looks on a background with the XYZ color 20.3454, 22.9676, 30.1489.



This preview shows how white text looks on a background with the XYZ color 20.3454, 22.9676,

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

20.3454, 22.9676, 30.1489

Protanopia

22.3589, 23.0109, 28.8543

Deuteranopia

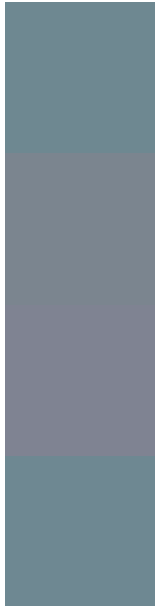
23.3022, 22.8633, 30.7887



Tritanopia

20.5010, 23.0299, 30.9685

Trichromacy



Original Color

20.3454, 22.9676, 30.1489

Protanomaly

21.5138, 22.9692, 29.2862

Deuteranomaly

22.0570, 22.8199, 30.4363

Tritanomaly

20.4229, 22.9986, 30.5569

Monochromacy



Original Color

20.3454, 22.9676, 30.1489

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.6505, 22.3894, 26.1549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3454, 22.9676, 30.1489 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(110, 136, 145)` looks like.

```
.text, #text, p{  
    color:rgb(110, 136, 145)  
}
```

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(110, 136, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 136, 145) }
```

Border

The CSS property to change the border of an element to XYZ 20.3454, 22.9676, 30.1489 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(110, 136, 145) }
```


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

```
.border{ border-color:rgb(110, 136, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 136, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 136, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 136, 145);  
box-shadow:4px 4px 4px 4px rgb(110, 136,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3454, 22.9676, 30.1489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 136, 145) }
```

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

```
.background{ background-color: rgb(110,  
136, 145) }
```

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