

Converting Colors

XYZ(20.1681, 22.5052, 40.2295)

Have a look what the booklet for
XYZ(20.1681, 22.5052, 40.2295)
contains.

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Color

**XYZ(20.1455, 22.4304,
40.3135)**

Conversions

Conversions Part 1

Format	Color
Hex	5C87A8
RGB	92, 135, 168
RGB Percent	36%, 53%, 66%
CMY	0.6392, 0.4706, 0.3412
CMYK	0.45, 0.20, 0.00, 0.34
HSL	206°, 30%, 51%
HSV	206°, 45%, 66%
XYZ	20.1455, 22.4304, 40.3135
YIQ	125.9050, -36.2210, 1.1470

Conversions

Conversions Part 2

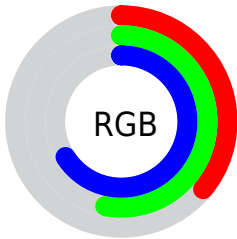
Format	Color
R_{YB}	92, 119, 168
Decimal	6064040
CIE _{Lab}	54.48, -5.68, -22.09
CIE _{LCh}	54, 22.813, 255.579
Yxy	22.4304, 0.2430, 0.2706
Android (android.graphics.Color)	4284254120 (0xFF5C87A8)
YUV	125.9050, 20.7528, -29.7347
Hunter-Lab	47.3607, -6.9540, -17.3152

Details

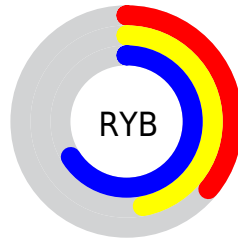
The XYZ color **20.1455, 22.4304, 40.3135** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.4144, 23.7655, 13.3738**, and the grayscale version is **19.7401, 20.7682, 22.6165**.

A 20% lighter version of the original color is **43.1566, 47.4051, 76.6876**, and **7.2002, 8.1700, 17.7205** is the 20% darker color. If you saturate the color by 10%, you get **17.6666, 19.6934, 39.9163**, and if you desaturate by 10%, it is **23.0678, 25.5004, 40.7525**.

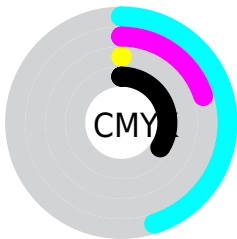
Distribution



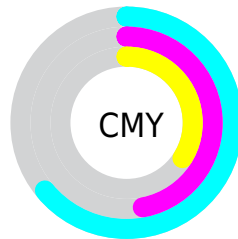
- Red (36%)
- Green (53%)
- Blue (66%)



- Red (36%)
- Yellow (47%)
- Blue (66%)



- Cyan (45%)
- Magenta (20%)
- Yellow (0%)
- Black (34%)



- Cyan (64%)
- Magenta (47%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1455, 22.4304, 40.3135 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 20.1455, 22.4304, 40.3135 by changing the saturation by 10% instead.

■ 20.1455, 22.4304,
40.3135

■ 20.1455, 22.4304,
40.3135

245.5203,
264.7858, 363.0345

■ 12.6097, 14.1735,
27.4674

■ 43.1631, 47.4563,
76.8830

■ 7.2355, 8.2414,
17.6890

■ 59.3756, 64.9941,
101.4434

■ 3.6575, 4.2498,
10.5598

■ 79.2111, 86.3944,
130.7458

■ 1.5102, 1.8143,
5.6613

■ 103.0349,
112.0414, 165.2085

■ 0.3328, 0.4960,
2.5748

131.2123,
142.3197, 205.2502

■ 0.0000, 0.0000,
0.8794

164.1088,

■ 0.0000, 0.0000,

177.6136, 251.2894

0.0000

202.0897,
218.3075, 303.7447

■ 20.1455, 22.4304,
40.3135

■ 20.1455, 22.4304,
40.3135

■ 17.6666, 19.6934,
39.9163

■ 23.0678, 25.5004,
40.7525

■ 15.6027, 17.2713,
39.5575

■ 26.4551, 28.9153,
41.2331

■ 13.9250, 15.1477,
39.2361

■ 30.3305, 32.6893,
41.7573

■ 12.5999, 13.3031,
38.9499

■ 34.7144, 36.8348,
42.3264

■ 11.5854, 11.7134,
38.6965

■ 39.6263, 41.3637,
42.9416

■ 11.1650, 11.0212,
38.5850

■ 45.0845, 46.2872,
43.6043

■ 51.1064, 51.6161,
44.3155

■ 57.7086, 57.3607,
45.0763

■ 64.9069, 63.5308,
45.8879

Harmonies

Analogous

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



18.1313, 22.4304, 35.6231



20.1455, 22.4304, 40.3135



22.6355, 22.4304, 40.2131

Triad

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



20.1455, 22.4304, 40.3135



26.2886, 22.4304, 20.9119



18.0698, 22.4304, 16.0050

Complementary

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



20.1455, 22.4304, 40.3135



25.4144, 23.7655, 13.3738

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.



20.0554, 22.4304, 13.4248



20.1455, 22.4304, 40.3135



24.8609, 22.4304, 15.8572

Square

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



20.1455, 22.4304, 40.3135



26.3175, 22.4304, 28.0113



22.5381, 22.4304, 13.3766



16.9980, 22.4304, 21.1549

Rectangle

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



20.1455, 22.4304, 40.3135



24.2377, 22.4304, 37.4052



22.5381, 22.4304, 13.3766



18.6453, 22.4304, 14.8569

Sweetspot

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



20.1462, 22.4312, 40.3140



55.7762, 60.0254, 75.8714



22.1143, 31.7601, 24.3453



11.8186, 12.7585, 16.4919



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.



20.1462, 22.4312, 40.3140



32.1594, 35.8510, 72.4500



15.7631, 13.6650, 38.8530



7.4707, 7.9784, 9.5646



8.4830, 8.4261, 29.1548



0.2558, 0.3039, 0.7258

Inverse Universe

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



24.3494, 17.7292, 25.0612



41.0023, 27.2130, 40.0789



31.1661, 35.2688, 15.2910



7.7022, 7.6107, 8.7490



13.7824, 6.9217, 8.9317



0.3603, 0.1784, 0.3488

Previews

White Background



This preview shows how the XYZ color 20.1455, 22.4304, 40.3135 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 20.1455, 22.4304, 40.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

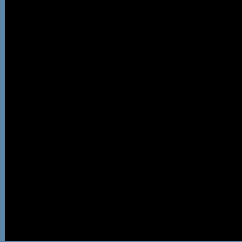
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1455, 22.4304, 40.3135

Background



This preview shows how black text looks on a background with the XYZ color 20.1455, 22.4304, 40.3135.



This preview shows how white text looks on a background with the XYZ color 20.1455, 22.4304,

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

20.1455, 22.4304, 40.3135

Protanopia

22.2152, 22.1476, 37.7544

Deuteranopia

22.8600, 22.4056, 41.1501



Tritanopia

18.4438, 22.3731, 31.7801

Trichromacy



Original Color

20.1455, 22.4304, 40.3135

Protanomaly

21.3382, 22.2642, 38.7701

Deuteranomaly

21.7081, 22.4122, 40.7180

Tritanomaly

19.0662, 22.4155, 34.7742

Monochromacy



Original Color

20.1455, 22.4304, 40.3135

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.5974, 21.2010, 28.2586

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1455, 22.4304, 40.3135 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(92, 135, 168)` looks like.

```
.text, #text, p{  
    color:rgb(92, 135, 168)  
}
```

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(92, 135, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 135, 168) }
```

Border

The CSS property to change the border of an element to XYZ 20.1455, 22.4304, 40.3135 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(92, 135, 168) }
```


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

```
.border{ border-color:rgb(92, 135, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 135, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 135, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 135, 168);  
box-shadow:4px 4px 4px 4px rgb(92, 135,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1455, 22.4304, 40.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 135, 168) }
```

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

```
.background{ background-color: rgb(92, 135,  
168) }
```

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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