

Converting Colors

XYZ(20.4942, 20.1969, 23.9796)

Have a look what the booklet for
XYZ(20.4942, 20.1969, 23.9796)
contains.

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Color

**XYZ(20.5395, 20.2730,
23.9496)**

Conversions

Conversions Part 1

Format	Color
Hex	857982
RGB	133, 121, 130
RGB Percent	52%, 47%, 51%
CMY	0.4784, 0.5255, 0.4902
CMYK	0.00, 0.09, 0.02, 0.48
HSL	315°, 5%, 50%
HSV	315°, 9%, 52%
XYZ	20.5395, 20.2730, 23.9496
YIQ	125.6140, 4.2630, 5.3430

Conversions

Conversions Part 2

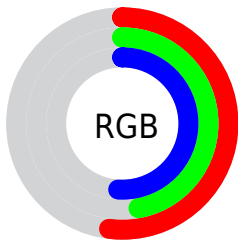
Format	Color
R_{YB}	133, 121, 130
Decimal	8747394
CIE Lab	52.14, 6.32, -3.24
CIE LCh	52, 7.101, 332.870
Yxy	20.2730, 0.3172, 0.3130
Android (android.graphics.Color)	4286937474 (0xFF857982)
YUV	125.6140, 2.1623, 6.4775
Hunter-Lab	45.0255, 2.6324, -0.0191

Details

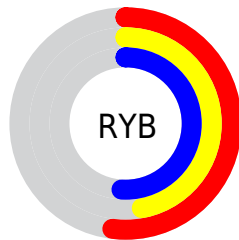
The XYZ color **20.5395, 20.2730, 23.9496** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.9116, 22.2958, 22.3240**, and the grayscale version is **19.6926, 20.7182, 22.5621**.

A 20% lighter version of the original color is **43.7405, 43.7451, 50.9380**, and **7.3698, 7.0678, 8.7604** is the 20% darker color. If you saturate the color by 10%, you get **18.8139, 17.1731, 22.2909**, and if you desaturate by 10%, it is **22.4963, 23.8233, 25.7214**.

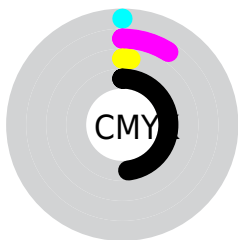
Distribution



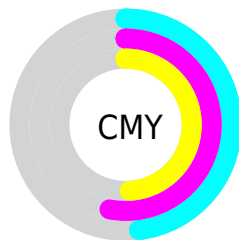
- Red (52%)
- Green (47%)
- Blue (51%)



- Red (52%)
- Yellow (47%)
- Blue (51%)



- Cyan (0%)
- Magenta (9%)
- Yellow (2%)
- Black (48%)



- Cyan (48%)
- Magenta (53%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5395, 20.2730, 23.9496 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 20.5395, 20.2730, 23.9496 by changing the saturation by 10% instead.

■ 20.5395, 20.2730,
23.9496

■ 20.5395, 20.2730,
23.9496

247.5993,
253.3892, 285.8439

■ 12.8983, 12.5936,
15.0844

■ 43.8169, 43.8744,
50.8907

■ 7.4351, 7.1493,
8.7313

■ 60.1839, 60.5653,
69.8037

■ 3.7844, 3.5557,
4.4720

■ 80.1903, 81.0287,
92.9031

■ 1.5809, 1.4283,
1.8877

104.2013,
105.6492, 120.6073

■ 0.3799, 0.2374,
0.4849

132.5823,
134.8111, 153.3350

■ 0.0000, 0.0000,
0.0000

165.6988,

168.8988, 191.5046

203.9160,
208.2967, 235.5347

■ 20.5395, 20.2730,
23.9496

■ 20.5395, 20.2730,
23.9496

■ 18.8139, 17.1731,
22.2909

■ 22.4963, 23.8233,
25.7214

■ 17.3087, 14.5027,
20.7408

■ 24.6913, 27.8384,
27.6083

■ 16.0147, 12.2434,
19.2959

■ 27.1330, 32.3354,
29.6138

■ 14.9214, 10.3743,
17.9526

■ 29.8294, 37.3298,
31.7406

■ 14.0173, 8.8726,
16.7066

■ 32.7878, 42.8363,
33.9917

■ 13.2900, 7.7133,
15.5534

■ 36.0153, 48.8690,
36.3698

■ 12.7251, 6.8682,
14.4879

■ 39.5189, 55.4415,
38.8773

■ 12.3063, 6.3044,
13.5043

■ 43.3050, 62.5669,
41.5168

■ 11.9907, 5.9363,
12.5879

■ 47.3800, 70.2578,
44.2907

Harmonies

Analogous

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



20.0373, 20.2730, 25.6087



20.5395, 20.2730, 23.9496



20.6985, 20.2730, 21.8741

Triad

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



20.5395, 20.2730, 23.9496



19.1990, 20.2730, 18.3132



18.1188, 20.2730, 24.3180

Complementary

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



20.5395, 20.2730, 23.9496



19.9116, 22.2958, 22.3240

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.



17.9066, 20.2730, 22.2749



20.5395, 20.2730, 23.9496



18.5204, 20.2730, 18.8802

Square

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



20.5395, 20.2730, 23.9496



19.9132, 20.2730, 18.7002



18.0518, 20.2730, 20.2987



18.6386, 20.2730, 25.8306

Rectangle

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



20.5395, 20.2730, 23.9496



20.5853, 20.2730, 20.5547



18.0518, 20.2730, 20.2987



18.0098, 20.2730, 23.6661

Sweetspot

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



20.5401, 20.2739, 23.9500



38.8173, 39.9907, 44.7528



19.3840, 19.6543, 24.9626



8.6865, 8.9031, 10.0295



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



20.5401, 20.2739, 23.9500



36.0584, 34.9996, 42.2096



20.1490, 20.1175, 21.8908



4.8095, 4.7435, 5.6089



11.3961, 5.6228, 11.9240



0.0424, 0.0206, 0.0567

Inverse Universe

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



20.5401, 20.2739, 23.9500



36.0584, 34.9996, 42.2096



20.3026, 22.4522, 24.3832



4.8095, 4.7435, 5.6089



11.3961, 5.6228, 11.9240



0.0424, 0.0206, 0.0567

Previews

White Background



This preview shows how the XYZ color 20.5395, 20.2730, 23.9496 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 20.5395, 20.2730, 23.9496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

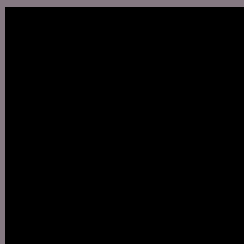
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

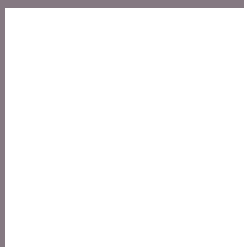
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5395, 20.2730, 23.9496

Background



This preview shows how black text looks on a background with the XYZ color 20.5395, 20.2730, 23.9496.



This preview shows how white text looks on a background with the XYZ color 20.5395, 20.2730,

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

20.5395, 20.2730, 23.9496

Protanopia

19.8300, 20.4412, 24.7302

Deuteranopia

20.6982, 20.3548, 23.9570



Tritanopia

20.5395, 20.2730, 23.9496

Trichromacy



Original Color

20.5395, 20.2730, 23.9496

Protanomaly

20.0818, 20.3938, 24.3507

Deuteranomaly

20.6982, 20.3548, 23.9570

Tritanomaly

20.5395, 20.2730, 23.9496

Monochromacy



Original Color

20.5395, 20.2730, 23.9496

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0917, 20.6147, 22.9988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5395, 20.2730, 23.9496 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(133, 121, 130)` looks like.

```
.text, #text, p{  
    color:rgb(133, 121, 130)  
}
```

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(133, 121, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 121, 130) }
```

Border

The CSS property to change the border of an element to XYZ 20.5395, 20.2730, 23.9496 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(133, 121, 130) }
```


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

```
.border{ border-color:rgb(133, 121, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 121, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 121, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 121, 130);  
box-shadow:4px 4px 4px 4px rgb(133, 121,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5395, 20.2730, 23.9496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 121, 130) }
```

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

```
.background{ background-color: rgb(133,  
121, 130) }
```

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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