

Converting Colors

XYZ(20.9329, 22.4909, 33.1358)

Have a look what the booklet for
XYZ(20.9329, 22.4909, 33.1358)
contains.

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Color

**XYZ(20.9945, 22.6195,
32.9652)**

Conversions

Conversions Part 1

Format	Color
Hex	728598
RGB	114, 133, 152
RGB Percent	45%, 52%, 60%
CMY	0.5529, 0.4784, 0.4039
CMYK	0.25, 0.12, 0.00, 0.40
HSL	210°, 16%, 52%
HSV	210°, 25%, 60%
XYZ	20.9945, 22.6195, 32.9652
YIQ	129.4850, -17.4230, 1.8810

Conversions

Conversions Part 2

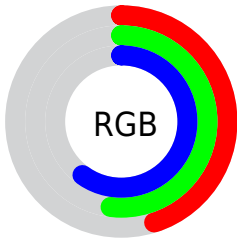
Format	Color
R_YB	114, 127, 152
Decimal	7505304
CIE _{Lab}	54.68, -2.40, -12.44
CIE _{LCh}	55, 12.667, 259.066
Yxy	22.6195, 0.2742, 0.2954
Android (android.graphics.Color)	4285695384 (0xFF728598)
YUV	129.4850, 11.0999, -13.5803
Hunter-Lab	47.5600, -4.4343, -7.8037

Details

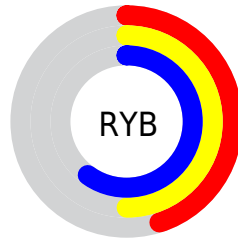
The XYZ color **20.9945, 22.6195, 32.9652** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.3740, 24.6655, 19.3965**, and the grayscale version is **21.0036, 22.0975, 24.0641**.

A 20% lighter version of the original color is **44.4254, 47.6810, 65.2544**, and **7.6993, 8.4041, 13.5283** is the 20% darker color. If you saturate the color by 10%, you get **18.1763, 19.6781, 32.5464**, and if you desaturate by 10%, it is **24.2179, 25.8827, 33.4255**.

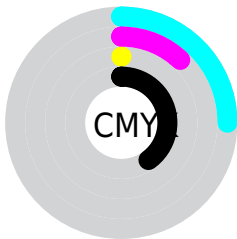
Distribution



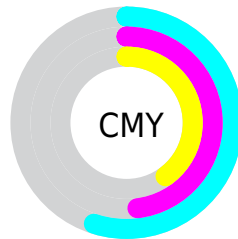
- Red (45%)
- Green (52%)
- Blue (60%)



- Red (45%)
- Yellow (50%)
- Blue (60%)



- Cyan (25%)
- Magenta (12%)
- Yellow (0%)
- Black (40%)



- Cyan (55%)
- Magenta (48%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9945, 22.6195, 32.9652 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 20.9945, 22.6195, 32.9652 by changing the saturation by 10% instead.

■ 20.9945, 22.6195,
32.9652

■ 20.9945, 22.6195,
32.9652

249.9815,
265.7646, 330.1201

■ 13.2324, 14.3128,
21.8289

■ 44.5697, 47.7678,
65.4366

■ 7.6669, 8.3385,
13.5341

■ 61.1136, 65.3782,
87.6087

■ 3.9325, 4.3123,
7.6623

■ 81.3154, 86.8586,
114.2966

■ 1.6640, 1.8498,
3.7950

105.5406,
112.5934, 145.9186

■ 0.4336, 0.5179,
1.5136

134.1544,
142.9670, 182.8935

■ 0.0000, 0.0000,
0.2280

167.5223,

■ 0.0000, 0.0000,

178.3638, 225.6397

0.0000

206.0095,
219.1682, 274.5757

■ 20.9945, 22.6195,
32.9652

■ 20.9945, 22.6195,
32.9652

■ 18.1763, 19.6781,
32.5464

■ 24.2179, 25.8827,
33.4255

■ 15.7435, 17.0442,
32.1662

■ 27.8612, 29.4758,
33.9271

■ 13.6776, 14.7065,
31.8239

■ 31.9406, 33.4100,
34.4714

■ 11.9574, 12.6515,
31.5179

■ 36.4709, 37.6951,
35.0598

■ 10.5596, 10.8645,
31.2466

■ 41.4664, 42.3405,
35.6931

■ 9.4575, 9.3291,
31.0083

■ 46.9404, 47.3550,
36.3725

■ 8.6172, 8.0251,
30.8009

■ 52.9058, 52.7475,
37.0989

■ 8.2524, 7.4367,
30.7066

■ 59.3750, 58.5261,
37.8734

■ 66.3599, 64.6989,
38.6967

Harmonies

Analogous

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



19.7896, 22.6195, 30.8983



20.9945, 22.6195, 32.9652



22.3871, 22.6195, 32.6240

Triad

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



20.9945, 22.6195, 32.9652



24.1346, 22.6195, 22.2043



19.5362, 22.6195, 19.9318

Complementary

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



20.9945, 22.6195, 32.9652



24.3740, 24.6655, 19.3965

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.



20.6350, 22.6195, 18.0598



20.9945, 22.6195, 32.9652



23.3045, 22.6195, 19.2705

Square

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



20.9945, 22.6195, 32.9652



24.2411, 22.6195, 26.1145



22.0118, 22.6195, 17.8315



18.9722, 22.6195, 23.2006

Rectangle

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



20.9945, 22.6195, 32.9652



23.2338, 22.6195, 31.0860



22.0118, 22.6195, 17.8315



19.8530, 22.6195, 19.1341

Sweetspot

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



20.9952, 22.6204, 32.9657



47.7391, 50.6217, 59.6885



22.3582, 27.7103, 26.1324



10.7718, 11.4286, 13.5557



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.9952, 22.6204, 32.9657



34.1937, 36.9582, 57.7651



18.6965, 18.0231, 32.1995



6.1268, 6.5110, 7.8628



6.9504, 6.2974, 25.7569



0.1402, 0.1668, 0.3972

Inverse Universe

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



23.2004, 20.4041, 24.9069



38.8309, 32.5872, 40.7539



27.1123, 30.1421, 20.3093



6.3311, 6.2716, 7.1239



11.9670, 6.0410, 6.3512



0.1972, 0.0976, 0.1915

Previews

White Background



This preview shows how the XYZ color 20.9945, 22.6195, 32.9652 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 20.9945, 22.6195, 32.9652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

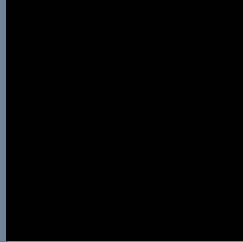
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

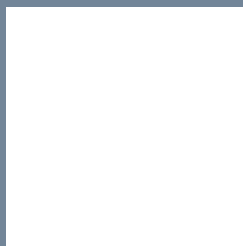
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9945, 22.6195, 32.9652

Background



This preview shows how black text looks on a background with the XYZ color 20.9945, 22.6195, 32.9652.

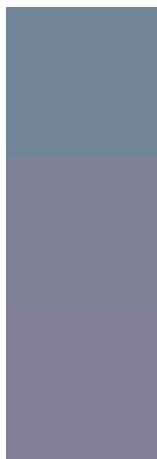


This preview shows how white text looks on a background with the XYZ color 20.9945, 22.6195,

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

20.9945, 22.6195, 32.9652

Protanopia

22.2400, 22.6793, 32.0595

Deuteranopia

22.8549, 22.3842, 33.2530



Tritanopia

20.4460, 22.6052, 30.0737

Trichromacy



Original Color

20.9945, 22.6195, 32.9652

Protanomaly

21.7283, 22.6045, 32.4961

Deuteranomaly

22.0575, 22.3604, 33.2904

Tritanomaly

20.6804, 22.6990, 31.3083

Monochromacy



Original Color

20.9945, 22.6195, 32.9652

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.8102, 22.0565, 26.8274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9945, 22.6195, 32.9652 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(114, 133, 152)` looks like.

```
.text, #text, p{  
    color:rgb(114, 133, 152)  
}
```

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(114, 133, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 133, 152) }
```

Border

The CSS property to change the border of an element to XYZ 20.9945, 22.6195, 32.9652 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(114, 133, 152) }
```


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

```
.border{ border-color:rgb(114, 133, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 133, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 133, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 133, 152);  
box-shadow:4px 4px 4px 4px rgb(114, 133,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9945, 22.6195, 32.9652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 133, 152) }
```

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

```
.background{ background-color: rgb(114,  
133, 152) }
```

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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