

Converting Colors

XYZ(20.9463, 24.7591, 41.0171)

Have a look what the booklet for
XYZ(20.9463, 24.7591, 41.0171)
contains.

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Color

**XYZ(20.9724, 24.7895,
41.2156)**

Conversions

Conversions Part 1

Format	Color
Hex	5690A9
RGB	86, 144, 169
RGB Percent	34%, 56%, 66%
CMY	0.6627, 0.4353, 0.3373
CMYK	0.49, 0.15, 0.00, 0.34
HSL	198°, 33%, 50%
HSV	198°, 49%, 66%
XYZ	20.9724, 24.7895, 41.2156
YIQ	129.5080, -42.5930, -4.5210

Conversions

Conversions Part 2

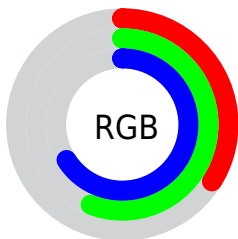
Format	Color
R _Y B	86, 120, 169
Decimal	5673129
CIE _{Lab}	56.87, -11.95, -19.04
CIE _{LCh}	57, 22.481, 237.874
Yxy	24.7895, 0.2411, 0.2850
Android (android.graphics.Color)	4283863209 (0xFF5690A9)
YUV	129.5080, 19.4696, -38.1565
Hunter-Lab	49.7891, -11.9422, -14.2282

Details

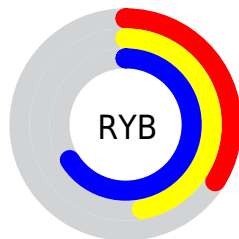
The XYZ color **20.9724, 24.7895, 41.2156** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.7269, 20.4763, 11.5066**, and the grayscale version is **20.9896, 22.0827, 24.0481**.

A 20% lighter version of the original color is **44.4638, 51.3454, 78.0882**, and **7.6925, 9.5366, 18.2649** is the 20% darker color. If you saturate the color by 10%, you get **18.8430, 22.5734, 40.9005**, and if you desaturate by 10%, it is **23.5061, 27.2667, 41.5607**.

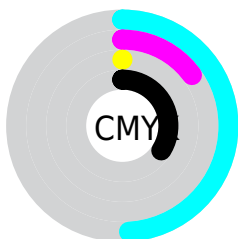
Distribution



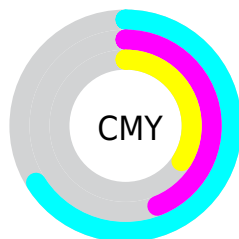
- Red (34%)
- Green (56%)
- Blue (66%)



- Red (34%)
- Yellow (47%)
- Blue (66%)



- Cyan (49%)
- Magenta (15%)
- Yellow (0%)
- Black (34%)



- Cyan (66%)
- Magenta (44%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9724, 24.7895, 41.2156 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 20.9724, 24.7895, 41.2156 by changing the saturation by 10% instead.

■ 20.9724, 24.7895,
41.2156

■ 20.9724, 24.7895,
41.2156

249.8663,
276.7880, 366.9242

■ 13.2162, 15.9203,
28.1666

■ 44.5332, 51.3155,
78.2683

■ 7.6556, 9.4678,
18.2112

■ 61.0685, 69.7411,
103.1091

■ 3.9253, 5.0475,
10.9307

■ 81.2609, 92.1210,
132.7176

■ 1.6600, 2.2752,
5.9067

■ 105.4757,
118.8395, 167.5123

■ 0.4310, 0.7605,
2.7205

134.0783,
150.2811, 207.9118

■ 0.0000, 0.0000,
0.9537

167.4340,

■ 0.0000, 0.0000,

186.8301, 254.3345

0.0000

205.9082,
228.8709, 307.1992

■ 20.9724, 24.7895,
41.2156

■ 20.9724, 24.7895,
41.2156

■ 18.8430, 22.5734,
40.9005

■ 23.5061, 27.2667,
41.5607

■ 17.0887, 20.6011,
40.6123

■ 26.4658, 30.0153,
41.9352

■ 15.6799, 18.8572,
40.3499

■ 29.8747, 33.0483,
42.3410

■ 14.5814, 17.3227,
40.1117

■ 33.7532, 36.3770,
42.7790

■ 13.7239, 15.9614,
39.8941

■ 38.1207, 40.0119,
43.2505

■ 13.6516, 15.8447,
39.8754

■ 42.9953, 43.9631,
43.7562

■ 48.3942, 48.2399,
44.2971

■ 54.3338, 52.8515,
44.8742

■ 60.8297, 57.8064,
45.4882

Harmonies

Analogous

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



19.3664, 24.7895, 34.3483



20.9724, 24.7895, 41.2156



23.3745, 24.7895, 44.2141

Triad

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



20.9724, 24.7895, 41.2156



28.9876, 24.7895, 27.5326



21.2746, 24.7895, 16.1026

Complementary

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



20.9724, 24.7895, 41.2156



23.7269, 20.4763, 11.5066

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.



23.7498, 24.7895, 14.9471



20.9724, 24.7895, 41.2156



28.3228, 24.7895, 20.7683

Square

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



20.9724, 24.7895, 41.2156



28.1112, 24.7895, 35.4530



26.3558, 24.7895, 16.4864



19.5316, 24.7895, 19.9964

Rectangle

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



20.9724, 24.7895, 41.2156



25.1489, 24.7895, 43.2631



26.3558, 24.7895, 16.4864



22.0427, 24.7895, 15.4168

Sweetspot

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



20.9732, 24.7904, 41.2162



56.0708, 61.4138, 76.1239



20.8901, 31.5004, 19.9900



11.9241, 13.1289, 16.5578



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.



20.9732, 24.7904, 41.2162



33.4215, 40.0752, 73.1989



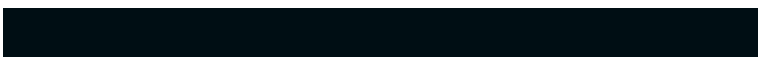
15.8104, 14.4649, 39.4953



7.5540, 8.1449, 9.5923



10.2228, 11.9058, 29.7347



0.2904, 0.3729, 0.7373

Inverse Universe

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



24.7247, 17.1049, 28.3850



41.2244, 25.7130, 46.1464



29.3357, 31.6941, 13.3762



7.7442, 7.6275, 8.9702



14.6606, 7.2730, 13.5562



0.3777, 0.1854, 0.4405

Previews

White Background



This preview shows how the XYZ color 20.9724, 24.7895, 41.2156 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 20.9724, 24.7895, 41.2156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

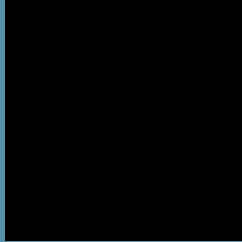
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.9724, 24.7895, 41.2156

Background



This preview shows how black text looks on a background with the XYZ color 20.9724, 24.7895, 41.2156.



This preview shows how white text looks on a background with the XYZ color 20.9724, 24.7895,

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

20.9724, 24.7895, 41.2156

Protanopia

24.4808, 24.7181, 38.1311

Deuteranopia

25.0983, 24.5406, 41.9421



Tritanopia

19.9301, 24.8202, 36.0881

Trichromacy



Original Color

20.9724, 24.7895, 41.2156

Protanomaly

22.8194, 24.4710, 39.1180

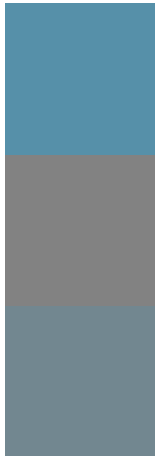
Deuteranomaly

23.2716, 24.4384, 41.5208

Tritanomaly

20.2143, 24.6984, 37.8843

Monochromacy



Original Color

20.9724, 24.7895, 41.2156

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.6374, 22.9190, 29.7217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9724, 24.7895, 41.2156 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(86, 144, 169)` looks like.

```
.text, #text, p{  
    color:rgb(86, 144, 169)  
}
```

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(86, 144, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 144, 169) }
```

Border

The CSS property to change the border of an element to XYZ 20.9724, 24.7895, 41.2156 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(86, 144, 169) }
```


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

```
.border{ border-color:rgb(86, 144, 169) }
```

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

Here you see how a box with a 4 pixel rgb(86, 144, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 144, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 144, 169);  
box-shadow:4px 4px 4px 4px rgb(86, 144,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9724, 24.7895, 41.2156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 144, 169) }
```

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

```
.background{ background-color: rgb(86, 144,  
169) }
```

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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