

Converting Colors

XYZ(20.1846, 23.0561, 32.6420)

Have a look what the booklet for
XYZ(20.1846, 23.0561, 32.6420)
contains.

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Color

**XYZ(20.1251, 23.0093,
32.6587)**

Conversions

Conversions Part 1

Format	Color
Hex	678997
RGB	103, 137, 151
RGB Percent	40%, 54%, 59%
CMY	0.5961, 0.4627, 0.4078
CMYK	0.32, 0.09, 0.00, 0.41
HSL	197°, 19%, 50%
HSV	197°, 32%, 59%
XYZ	20.1251, 23.0093, 32.6587
YIQ	128.4300, -24.7580, -2.8540

Conversions

Conversions Part 2

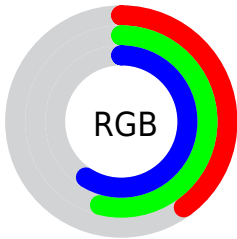
Format	Color
RYB	103, 123, 151
Decimal	6785431
CIELab	55.08, -8.37, -11.32
CIELCh	55, 14.083, 233.516
Yxy	23.0093, 0.2655, 0.3036
Android (android.graphics.Color)	4284975511 (0xFF678997)
YUV	128.4300, 11.1270, -22.3021
Hunter-Lab	47.9680, -9.0539, -6.7896

Details

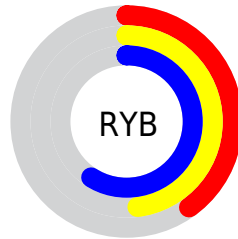
The XYZ color **20.1251, 23.0093, 32.6587** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.5722, 20.2813, 15.6102**, and the grayscale version is **20.6365, 21.7112, 23.6434**.

A 20% lighter version of the original color is **42.9505, 48.2033, 64.7980**, and **7.1766, 8.4934, 13.3177** is the 20% darker color. If you saturate the color by 10%, you get **17.9340, 20.9698, 32.3809**, and if you desaturate by 10%, it is **22.6560, 25.2630, 32.9607**.

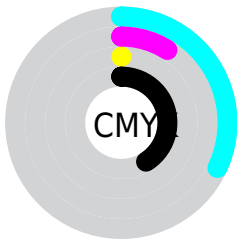
Distribution



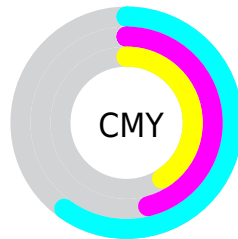
- Red (40%)
- Green (54%)
- Blue (59%)



- Red (40%)
- Yellow (48%)
- Blue (59%)



- Cyan (32%)
- Magenta (9%)
- Yellow (0%)
- Black (41%)



- Cyan (60%)
- Magenta (46%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1251, 23.0093, 32.6587 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 20.1251, 23.0093, 32.6587 by changing the saturation by 10% instead.

■ 20.1251, 23.0093,
32.6587

■ 20.1251, 23.0093,
32.6587

245.4122,
267.7728, 328.6937

■ 12.5948, 14.6004,
21.5961

■ 43.1292, 48.4086,
64.9522

■ 7.2252, 8.5394,
13.3650

■ 59.3336, 66.1678,
87.0202

■ 3.6509, 4.4420,
7.5467

■ 79.1602, 87.8125,
113.5937

■ 1.5066, 1.9238,
3.7227

■ 102.9743,
113.7271, 145.0913

■ 0.3303, 0.5626,
1.4745

131.1412,
144.2960, 181.9316

■ 0.0000, 0.0000,
0.1988

164.0262,

■ 0.0000, 0.0000,

179.9037, 224.5331

0.0000

201.9948,
220.9345, 273.3143

■ 20.1251, 23.0093,
32.6587

■ 20.1251, 23.0093,
32.6587

■ 17.9340, 20.9698,
32.3809

■ 22.6560, 25.2630,
32.9607

■ 16.0633, 19.1325,
32.1249

■ 25.5405, 27.7367,
33.2862

■ 14.4952, 17.4882,
31.8901

■ 28.7940, 30.4395,
33.6364

■ 13.2087, 16.0257,
31.6756

■ 32.4306, 33.3791,
34.0121

■ 12.1803, 14.7322,
31.4802

■ 36.4634, 36.5625,
34.4140

■ 11.3821, 13.5931,
31.3024

■ 40.9050, 39.9968,
34.8428

■ 10.8399, 12.7423,
31.1667

■ 45.7674, 43.6884,
35.2991

■ 51.0621, 47.6437,
35.7835

■ 56.8001, 51.8689,
36.2966

Harmonies

Analogous

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



19.2193, 23.0093, 28.6598



20.1251, 23.0093, 32.6587



21.5309, 23.0093, 34.6518

Triad

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



20.1251, 23.0093, 32.6587



25.0050, 23.0093, 26.0412



20.6883, 23.0093, 17.9390

Complementary

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



20.1251, 23.0093, 32.6587



21.5722, 20.2813, 15.6102

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.



22.2120, 23.0093, 17.4143



20.1251, 23.0093, 32.6587



24.7531, 23.0093, 21.7627

Square

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



20.1251, 23.0093, 32.6587



24.3851, 23.0093, 30.5474



23.7122, 23.0093, 18.7309



19.5335, 23.0093, 20.2608

Rectangle

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



20.1251, 23.0093, 32.6587



22.5821, 23.0093, 34.4239



23.7122, 23.0093, 18.7309



21.1724, 23.0093, 17.5590

Sweetspot

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



20.1258, 23.0102, 32.6592



46.6192, 50.4129, 59.7072



19.8480, 26.2922, 20.7359



10.4326, 11.3209, 13.5528



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.



20.1258, 23.0102, 32.6592



33.2429, 38.6206, 58.1361



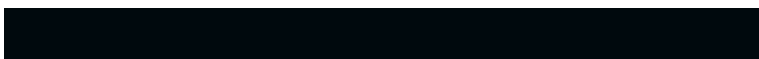
17.1298, 17.0182, 31.6606



6.2324, 6.7221, 7.8980



9.2470, 10.8907, 26.5224



0.1691, 0.2245, 0.4068

Inverse Universe

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



22.1287, 18.0865, 25.9927



37.4811, 28.7164, 43.9142



24.6771, 26.4911, 16.6451



6.3844, 6.2929, 7.4043



13.1262, 6.5047, 12.4556



0.2118, 0.1035, 0.2682

Previews

White Background



This preview shows how the XYZ color 20.1251, 23.0093, 32.6587 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 20.1251, 23.0093, 32.6587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

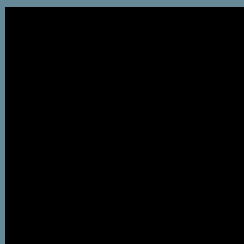
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

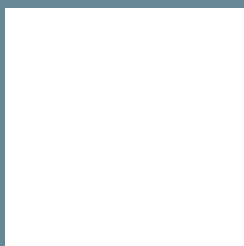
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1251, 23.0093, 32.6587

Background



This preview shows how black text looks on a background with the XYZ color 20.1251, 23.0093, 32.6587.



This preview shows how white text looks on a background with the XYZ color 20.1251, 23.0093,

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

20.1251, 23.0093, 32.6587

Protanopia

22.4360, 23.0063, 30.8619

Deuteranopia

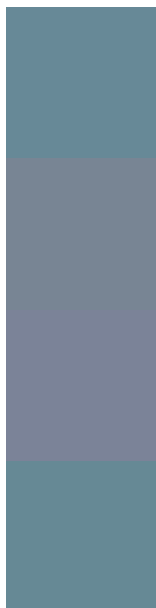
23.3005, 22.8066, 33.3110



Tritanopia

19.7704, 22.8542, 31.3863

Trichromacy



Original Color

20.1251, 23.0093, 32.6587

Protanomaly

21.4786, 22.9062, 31.3063

Deuteranomaly

21.9522, 22.7106, 32.9323

Tritanomaly

19.8500, 22.8860, 31.8050

Monochromacy



Original Color

20.1251, 23.0093, 32.6587

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.1680, 21.9321, 26.4629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1251, 23.0093, 32.6587 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(103, 137, 151)` looks like.

```
.text, #text, p{  
    color:rgb(103, 137, 151)  
}
```

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(103, 137, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 137, 151) }
```

Border

The CSS property to change the border of an element to XYZ 20.1251, 23.0093, 32.6587 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(103, 137, 151) }
```


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

```
.border{ border-color:rgb(103, 137, 151) }
```

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

Here you see how a box with a 4 pixel rgb(103, 137, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 137, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 137, 151);  
box-shadow:4px 4px 4px 4px rgb(103, 137,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1251, 23.0093, 32.6587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 137, 151) }
```

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

```
.background{ background-color: rgb(103,  
137, 151) }
```

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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